Please RUSH Thanks

JOSEPH THOMAS
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3600

7/05/2

Access DB# 9-7999

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Milan Kapadia Examiner #: 79189 Date: 7/2/05
Art Unit: 3662 Phone Number 305-3887 Serial Number: 09/[illegible]
Mail Box and Bldg/Room Location: PK5-701C Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: See attached Bib sheet

Inventors (please provide full names): See attached Bib sheet

Earliest Priority Filing Date: 3/10/2000

***For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.**

Looking for a system that enables medical containers to communicate with each other wirelessly, (see attached claim 2). Additionally looking ~~for~~ for a system that enables the determination if the medical containers are capable of wireless communication based on location etc. (see attached claims 6-7) on the same lines, the system should monitor the location of the containers.

Please search
~~Find~~
Patents and non-patent literatures

****

STAFF USE ONLY

Searcher: Bob Hairston
Searcher Phone #: 308-4119
Searcher Location: CP1 3600
Date Searcher Picked Up: 7-3-05
Date Completed: 7-3-05
Searcher Prep & Review Time: 60m
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Online Time: 120m

Type of Search

NA Sequence (#) _____
AA Sequence (#) _____
Structure (#) _____
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Vendors and cost where applicable

STN 36 ¢
Dialog $1,386.00
Questel/Orbit _____
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Sequence Systems _____
WWW/Internet ✓
Other (specify) _____

PTO-1590 (1-2000)

STIC Search Report
EIC 3600

STIC Database Tracking Number: 97979

TO: Milan S Kapadia **Location: CPK5 7D10** **Art Unit : 3626** **Thursday, July 03, 2003** **Case Serial Number: 09/609253**	**From: Bode Akintola** **Location: EIC 3600** **PK5-Suite 804, 8A01** **Phone: 308-6150** **Olabode.akintola@uspto.gov**

Search Notes

Please find attached your search results.

Please let me know if you like for me to try a refocused search with a different strategy or additional terms.

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Set     Items   Description
S1      18772   AU=(WALKER J? OR WALKER, J?)
S2    1089537   WIRELESS? OR RF OR RADIO()(FREQUENC? OR WAVE?) OR INFRARED
              OR RADIOFREQUENC? OR RADIOWAVE? OR CABLELESS OR CABLEFREE OR
             (WIRE OR CABLE)()(LESS? OR FREE) OR MICROWAVE?
S3   13512362   PRESCRIPTION? OR RX OR R()X OR DRUG? ? OR MEDICATION? OR M-
             EDICINE? OR MEDICAL
S4     223143   CONTAINER? OR BOTTLE? OR JAR OR VIAL? ?
S5    6314072   TRANSFER? OR TRANSMI? OR FORWARD OR SEND? OR SENT OR COMMU-
             NICAT? OR SIGNAL?
S6       3644   S3(5N)S4
S7         16   S6(25N)S2
S8       3592   S4(5N)S5
S9         41   S8(20N)S2
S10        37   (S7 OR S9) NOT PY>2000
S11        37   S10 NOT PD=20000310:20030702
S12        32   RD (unique items)
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         (c) format only 2003 The Dialog Corp.
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         (c) 2003 Inst for Sci Info
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
```

12/5/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

7036050 INSPEC Abstract Number: B2001-10-6250-098
Title: A fast square-root implementation for BLAST
Author(s): Hassibi, B.
Author Affiliation: Math. of Commun. Res., Lucent Technol. Bell Labs., Murray Hill, NJ, USA
Conference Title: Conference Record of the Thirty-Fourth Asilomar Conference on Signals, Systems and Computers (Cat. No.00CH37154) Part vol.2 p.1255-9 vol.2
Editor(s): Mathews, M.B.
Publisher: IEEE, Piscataway, NJ, USA
Publication Date: 2000 Country of Publication: USA 2 vol.xxvi+1882 pp.
ISBN: 0 7803 6514 3 Material Identity Number: XX-2001-00382
U.S. Copyright Clearance Center Code: 0 7803 6514 3/2000/$10.00
Conference Title: Conference Record of the Thirty-Fourth Asilomar Conference on Signals, Systems and Computers
Conference Date: 29 Oct.-1 Nov. 2000 Conference Location: Pacific Grove, CA, USA
Language: English Document Type: Conference Paper (PA)
Treatment: Theoretical (T)
Abstract: Bell Labs Layered Space-Time (BLAST) is a scheme for transmitting information over a rich-scattering **wireless** environment using multiple receive and **transmit** antennas. The main computational **bottleneck** in the BLAST algorithm is a "nulling and cancellation" step, where the optimal ordering for the sequential estimation and detection of the received signals is determined. To reduce the computational cost of BLAST we develop an efficient square-root algorithm for the nulling and cancellation step. The main features of the algorithm include efficiency: the computational cost is reduced by 0.7M, where M is the number of transmit antennas, and numerical stability; and the algorithm is division-free and uses only orthogonal transformations. In a 14 antenna system designed for transmission of 1 Mbit/sec over a 30 kHz channel, the nulling and cancellation computation is reduced from 190 MFlops/sec to 19 MFlops/sec, with the overall computations being reduced from 220 MFlops/sec to 49 MFlops/sec. The numerical stability of the algorithm also make it attractive for implementation in fixed-point (rather than floating-point) architectures. (3 Refs)
Subfile: B
Descriptors: antenna arrays; array signal processing; computational complexity; fading channels; fixed point arithmetic; interference suppression; matrix inversion; numerical stability; radio links; radiofrequency interference; reception; sequential estimation; signal detection; transmitting antennas
Identifiers: fast square-root implementation; nulling; Bell Labs Layered Space-Time; information transmission; rich-scattering wireless environment; multiple receive antennas; multiple transmit antennas; antenna arrays; BLAST algorithm; cancellation; sequential estimation; sequential detection; received signals; computational cost reduction; efficient square-root algorithm; numerical stability; division-free algorithm; orthogonal transformations; fixed-point architectures; wireless link; deflated subchannel matrices; pseudoinverses
Class Codes: B6250 (Radio links and equipment); B0240Z (Other topics in statistics); B6140M (Signal detection); B5270D (Antenna arrays); B5230 (Electromagnetic compatibility and interference); B0290H (Linear algebra (numerical analysis))

12/5/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

6805070 INSPEC Abstract Number: B2001-02-6250F-071
Title: Prototyping a pager-like device using FPGAs: design of an object finder
Author(s): Cerezo Vasquez, G.A.; Van Noije, W.A.M.; Barbin, S.E.
Author Affiliation: Escola Politecnica, Sao Paulo Univ., Brazil
Conference Title: Proceedings 13th Symposium on Integrated Circuits and Systems Design (Cat. No.PR00843) p.191-6
Editor(s): Reis, R.; Van Noije, W.; Monteiro, J.C.
Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA
Publication Date: 2000 Country of Publication: USA xiv+404 pp.
ISBN: 0 7695 0843 X Material Identity Number: XX-2000-02220
U.S. Copyright Clearance Center Code: 0 7695 0843 X/2000/$10.00
Conference Title: Proceedings 13th Symposium on Integrated Circuits and Systems Design
Conference Sponsor: SBC-Brazilain Comput. Soc.; IFIP WG10/5; SBMicro-Brazilian Microelectron. Soc.; Latin American Group of IEEE Comput. Soc. TTTC
Conference Date: 18-24 Sept. 2000 Conference Location: Manaus, Brazil
Language: English Document Type: Conference Paper (PA)
Treatment: Applications (A); Practical (P)
Abstract: The use of Field Programmable Gate Array (FPGA) devices for designing and prototyping a pager-like device is presented. The device executes the decoding tasks in a system, which also has a transceiver sending information at 1200 bit/s with a FSK modulator and a receiver/demodulator; the **RF** part operates in the 450 MHz range. The device was intended for "finding" and signaling, by light or sounds, objects such as cars, **containers** , or **medical** equipment in large environments. The traditional paging protocol POCSAG has been slightly modified to use minimal resources and provide new characteristics for the specific applications. (15 Refs)
Subfile: B
Descriptors: decoding; field programmable gate arrays; frequency shift keying; object detection; paging communication; protocols; signalling
Identifiers: pager-like device; device prototyping; FPGA; object finder design; field programmable gate arrays; decoding tasks; transceiver; FSK modulator; receiver/demodulator; signalling; large environments; POCSAG protocol modification; 1200 bit/s; 450 MHz
Class Codes: B6250F (Mobile radio systems); B1265B (Logic circuits); B6120B (Codes); B6150M (Protocols)
Numerical Indexing: bit rate 1.2E+03 bit/s; frequency 4.5E+08 Hz

12/5/3 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC

6804996 INSPEC Abstract Number: B2001-02-6250-026, C2001-02-7210N-048
Title: Recommendations for research opportunities from the WTEC study on wireless technologies and information networks
Author(s): Itoh, T.; Winters, J.; Iskander, M.
Author Affiliation: California Univ., Los Angeles, CA, USA
Conference Title: IEEE Antennas and Propagation Society International Symposium. Transmitting Waves of Progress to the Next Millennium. 2000 Digest. Held in conjunction with: USNC/URSI National Radio Science Meeting (Cat. No.00CH37118) Part vol.1 p.67 vol.1

Publisher: IEEE, Piscataway, NJ, USA
Publication Date: 2000 Country of Publication: USA 4 vol. xi+2359 pp.
ISBN: 0 7803 6369 8 Material Identity Number: XX-2000-02213
U.S. Copyright Clearance Center Code: 0 7803 6369 8/2000/$10.00
Conference Title: IEEE Antennas and Propagation Society International Symposium. Transmitting Waves of Progress to the Next Millennium
Conference Sponsor: Agilent Technol.; Hewlett-Packard; Kennecott Utah Copper; L-3 Commun.; MOOG Inc; Motorola; Raytheon Syst
Conference Date: 16-21 July 2000 Conference Location: Salt Lake City, UT, USA
Language: English Document Type: Conference Paper (PA)
Treatment: General, Review (G)
Abstract: Summary form only given. The World Technology Evaluation Center (WTEC) conducted a focused study on wireless technologies and information networks. The objective was to evaluate the US competitiveness in this technology and identify the R&D issues that need to be addressed and supported by federal agencies to help enable this technology and realize its much anticipated economical and technological benefits. In this article, the role of the electromagnetics community in enabling next generation wireless technology is emphasized. The findings are summarized in the following research areas: (1) hardware for **RF** front-end of **wireless** communication systems, (2) smart antennas, and (3) channel characterization and propagation models for **wireless communications** . In all cases, **bottlenecks** and research challenges are identified and results of the comparative study between the US, Europe, and Japan in long- and short-term research are presented. (0 Refs)
Subfile: B C
Descriptors: adaptive antenna arrays; information networks; radio networks; radiowave propagation; research initiatives; telecommunication channels
Identifiers: research opportunities; WTEC study; wireless technologies; wireless information networks; World Technology Evaluation Center; US competitiveness; R&D issues; federal agencies; economical benefits; technological benefits; electromagnetics community; RF front-end hardware; wireless communication systems; smart antennas; channel characterization models; radiowave propagation models; Europe; USA; Japan; long-term research; short-term research
Class Codes: B6250 (Radio links and equipment); B6210L (Computer communications); B5270D (Antenna arrays); B5210C (Radiowave propagation); C7210N (Information networks)

12/5/4 (Item 4 from file: 2)
DIALOG(R)File 2:INSPEC

6741861 INSPEC Abstract Number: B2000-12-6140M-007, C2000-12-5260-018
Title: An efficient square-root algorithm for BLAST
Author(s): Hassibi, B.
Author Affiliation: Lucent Technol. Bell Labs., Murray Hill, NJ, USA
Conference Title: 2000 IEEE International Conference on Acoustics, Speech, and Signal Processing. Proceedings (Cat. No.00CH37100) Part vol.2 p.II737-40 vol.2
Publisher: IEEE, Piscataway, NJ, USA
Publication Date: 2000 Country of Publication: USA 6 vol. lxxx+3906 pp.
ISBN: 0 7803 6293 4 Material Identity Number: XX-2000-01775
U.S. Copyright Clearance Center Code: 0 7803 6293 4/2000/$10.00
Conference Title: Proceedings of 2000 International Conference on Acoustics, Speech and Signal Processing

Conference Sponsor: IEEE; Signal Process. Soc
Conference Date: 5-9 June 2000 Conference Location: Istanbul, Turkey
Language: English Document Type: Conference Paper (PA)
Treatment: Theoretical (T)
Abstract: Bell Labs Layered Space-Time (BLAST) is a scheme for transmitting information over a rich-scattering **wireless** environment using multiple receive and **transmit** antennas. The main computational **bottleneck** in the BLAST algorithm is a "nulling and cancellation" step, where the optimal ordering for the sequential estimation and detection of the received signals is determined. To reduce the computational cost of BLAST, we develop an efficient square-root algorithm for the nulling and cancellation step. The main features of the algorithm include efficiency: the computational cost is reduced by 0.7 M, where M is the number of transmit antennas, and numerical stability: the algorithm is division-free and uses only orthogonal transformations. In a 14 antenna system designed for transmission of 1 Mbit/s over a 30 kHz channel, the nulling and cancellation computation is reduced from 190 MFlops/s to 19 MFlops/s, with the overall computations being reduced from 220 MFlops/s to 49 MFlops/s. The numerical stability of the algorithm also make it attractive for implementation in fixed-point (rather than floating-point) architectures. (3 Refs)
Subfile: B C
Descriptors: computational complexity; fixed point arithmetic; numerical stability; radio links; receiving antennas; sequential estimation; signal detection; transmitting antennas
Identifiers: BLAST; efficient square-root algorithm; Bell Labs Layered Space-Time scheme; rich-scattering wireless environment; multiple receive/transmit antennas; BLAST algorithm; nulling/cancellation step; sequential estimation; signal detection; computational cost; numerical stability; orthogonal transformations; fixed-point architectures; 1 Mbit/s; 19 MFLOPS; 49 MFLOPS
Class Codes: B6140M (Signal detection); B0240Z (Other topics in statistics); B6250 (Radio links and equipment); C5260 (Digital signal processing); C4240C (Computational complexity); C5230 (Digital arithmetic methods)
Numerical Indexing: bit rate 1.0E+06 bit/s; computer speed 1.9E+07 FLOPS; computer speed 4.9E+07 FLOPS

12/5/5 (Item 5 from file: 2)
DIALOG(R)File 2:INSPEC

6061861 INSPEC Abstract Number: B9812-6150-010
Title: Fast computation of efficient decision feedback equalizers for high speed wireless communications
Author(s): Fevrier, I.J.; Gelfand, S.B.; Fitz, M.P.
Author Affiliation: ECE Dept., Purdue Univ., West Lafayette, IN, USA
Conference Title: Proceedings of the 1998 IEEE International Conference on Acoustics, Speech and Signal Processing, ICASSP '98 (Cat. No.98CH36181) Part vol.6 p.3493-6 vol.6
Publisher: IEEE, New York, NY, USA
Publication Date: 1998 Country of Publication: USA 6 vol. lxiii+3816 pp.
ISBN: 0 7803 4428 6 Material Identity Number: XX98-01420
U.S. Copyright Clearance Center Code: 0 7803 4428 6/98/$10.00
Conference Title: Proceedings of the 1998 IEEE International Conference on Acoustics, Speech and Signal Processing
Conference Sponsor: IEEE Signal Process. Soc
Conference Date: 12-15 May 1998 Conference Location: Seattle, WA, USA

Language: English Document Type: Conference Paper (PA)
Treatment: Theoretical (T)
Abstract: Decision feedback equalization (DFE) structures have been proposed for the efficient equalization of **wireless** channels with long postcursor response, which is a **bottleneck** problem for high speed **communications** over multipath channels with large delay spread. These structures are equivalent to the conventional DFE, but remove postcursor intersymbol interference (ISI) prior to feedforward filtering. We investigate the relationship between these structures and fast equalizer coefficient computation. Based on this relationship, we obtain a fast algorithm for computing optimal DFE settings which has significantly lower complexity than other known approaches for these high speed wireless channels. An example is given for data rates and channel profiles of the type considered for the proposed North American high definition television (HDTV) terrestrial broadcast mode. (10 Refs)
Subfile: B
Descriptors: decision feedback equalisers; feedforward; filtering theory; FIR filters; high definition television; intersymbol interference; multipath channels; television broadcasting
Identifiers: decision feedback equalizers; high speed wireless communications; DFE structures; wireless channels; long postcursor response ; bottleneck problem; high speed communications; multipath channels; large delay spread; intersymbol interference; ISI; feedforward filtering; fast equalizer coefficient computation; optimal DFE settings; data rates; channel profiles; North America; high definition television; HDTV terrestrial broadcast; FIR filter
Class Codes: B6150 (Communication system theory); B5230 (Electromagnetic compatibility and interference); B6420 (Radio and television broadcasting); B6430C (High definition television); B6140 (Signal processing and detection)

12/5/6 (Item 6 from file: 2)
DIALOG(R)File 2:INSPEC

5816182 INSPEC Abstract Number: A9805-8770-003, B9803-7510-003
Title: Development of an integrated fluid sensor
Author(s): Johnson, J.D.
Author Affiliation: Utah Univ., Salt Lake City, UT, USA
Conference Title: WESCON/97. Conference Proceedings (Cat. No.97CH36148) p.495-500
Publisher: IEEE, New York, NY, USA
Publication Date: 1997 Country of Publication: USA vi+588 pp.
ISBN: 0 7803 4303 4 Material Identity Number: XX97-02934
U.S. Copyright Clearance Center Code: 0 7803 4303 4/97/$10.00
Conference Title: WESCON/97 Conference Proceedings
Conference Sponsor: San Francisco Bay Area & Los Angeles Councils, IEEE; Northern & Southern California Chapters, ERA
Conference Date: 4-6 Nov. 1997 Conference Location: Santa Clara, CA, USA
Language: English Document Type: Conference Paper (PA)
Treatment: Applications (A); Practical (P); Experimental (X)
Abstract: A new versatile device which warns of low fluid levels in various medical fluid containers is presented. The fluid-sensing part of the device is a novel type of electromagnetic (EM) coupler which senses the presence or absence of fluid in close proximity to it. The device is battery operated and is small enough to attach directly to the outside of many **medical** fluid **containers** . The EM coupler was characterized and optimized through network analyzer measurements, finite difference

frequency domain (FDFD) and finite difference time domain (FDTD) computer simulations. **Microwave** oscillator and detection circuits were designed, constructed, and tested using the optimized EM coupler. The fluid-sensor was tested on a plastic milk container filled with water and the measured results are presented here. Qualitative results were also obtained on glass containers and actual intravenous (IV) bags. (1 Refs)

Subfile: A B

Descriptors: biomedical equipment; biomedical measurement; electric sensing devices; finite difference methods; level measurement

Identifiers: integrated fluid sensor; medical fluid containers; EM coupler; network analyzer measurements; finite difference frequency domain; finite difference time domain; computer simulations; microwave oscillator; detection circuits; intravenous bags

Class Codes: A8770 (Biomedical engineering); A0630C (Spatial variables measurement); A0670D (Sensing and detecting devices); B7510 (Biomedical measurement and imaging); B7320W (Level, flow and volume measurement); B7230 (Sensing devices and transducers)

12/5/7 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

5717410 INSPEC Abstract Number: B9711-6250F-115, C9711-7410F-068

Title: Optimal mobile location tracking by multilayered model strategy

Author(s): Junping Sun; Lee, H.C.

Author Affiliation: Sch. of Comput. & Inf. Sci., Nova Southeastern Univ., Fort Lauderdale, FL, USA

Conference Title: Proceedings. Third IEEE International Conference on Engineering of Complex Computer Systems (Cat. No.97TB100168) p.86-95

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 1997 Country of Publication: USA xi+253 pp.

ISBN: 0 8186 8126 8 Material Identity Number: XX97-02378

U.S. Copyright Clearance Center Code: 0 8186 8126 8/97/$10.00

Conference Title: Proceedings. Third IEEE International Conference on Engineering of Complex Computer Systems (Cat. No.97TB100168)

Conference Sponsor: IEEE Comput. Soc.; IEEE Comput. Soc. Tech. Committee on Complexity in Comput.; CEC DGIII; Microsoft; CNR

Conference Date: 8-12 Sept. 1997 Conference Location: Como, Italy

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: We developed a multilayered model for the purposes such as mobility management, mobile activity modeling, and optimal paging and mobile location tracking. A **bottleneck** in the **forward** control channel (FOCC) is caused due to constraints such as the limited bandwidth and number of **radio frequency** channels, and inefficiency of conventional mobile paging methods in mobile telecommunication systems. In order to minimize the paging cost and to maximize utilization of the bandwidth in the FOCC, we develop a new paging schema, based on the multilayered model, with the optimal partition of paging zones. By using the refined mobile's probability pattern stored in a statistical profile, we employ the genetic algorithm and the probabilistic cost function to generate the optimal partition of paging zones such that the paging cost to locate a mobile station as well as the bandwidth consumption in the FOCC is minimized. (19 Refs)

Subfile: B C

Descriptors: mobile communication; telecommunication computing; telecommunication network reliability

Identifiers: optimal mobile location tracking; multilayered model strategy; mobility management; mobile activity modeling; optimal paging;

forward control channel; mobile telecommunication systems; genetic algorithm; probabilistic cost function
Class Codes: B6250F (Mobile radio systems); C7410F (Communications computing)

12/5/8 (Item 8 from file: 2)
DIALOG(R)File 2:INSPEC

5101193
Title: RF/DC ends the paper chase
Author(s): Roos, G.
Journal: ID Systems European Edition vol.3, no.5 p.12, 14, 16
Publication Date: Oct. 1995 Country of Publication: USA
CODEN: ISEEEE ISSN: 1081-275X
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P)
Abstract: Considering that the port of Kotka, Finland, is the largest paper handling terminal in the world, and Kotka-based Steveco Oy is the world's biggest terminal operator in paper goods, the company had a lot to gain by streamlining operations. In September 1994, with the installation of a 2 1/2 million Finnish markkaa **radio frequency** data **communication** (**RF** /DC) system to track **container** movement at its port facilities in Kotka, Hietanen, and Hamina, the company embraced real-time operation. At the same time, the lengthy paper chase at its port facilities was dramatically shortened with RF/DC terminals that provide on-line and real-time container location and movement data. (0 Refs)
Subfile: D
Descriptors: data acquisition; marine systems; paper industry; radio data systems; real-time systems; warehouse automation
Identifiers: paper handling terminal; Kotka-based Steveco Oy; terminal operator; paper goods; streamlined operations; Finnish markkaa radiofrequency data communication system; RF/DC system; container movement tracking; port facilities; Hietanen; Hamina; real-time operation; RF/DC terminals; on-line container location; movement data; real-time container location
Class Codes: D2140 (Marketing, retailing and distribution).; D4000 (Office automation - communications)

12/5/9 (Item 9 from file: 2)
DIALOG(R)File 2:INSPEC

4835994 INSPEC Abstract Number: B9501-6250F-041, C9501-1260-094
Title: Fast algorithm for adaptive beamforming of cyclic signals
Author(s): Wu, Q.; Wong, K.M.; Ho, R.
Author Affiliation: Commun. Res. Lab., McMaster Univ., Hamilton, Ont., Canada
Journal: IEE Proceedings-Radar, Sonar and Navigation vol.141, no.6 p.312-18
Publication Date: Dec. 1994 Country of Publication: UK
CODEN: IRSNE2 ISSN: 1350-2395
SICI: 1350-2395(199412)141:6L.312:FAAB;1-E
Material Identity Number: B493-94006
U.S. Copyright Clearance Center Code: 1350-2395/94/$7.50+0.00
Language: English Document Type: Journal Paper (JP)
Treatment: Theoretical (T)

Abstract: There has been an explosive increase in the demand of radio channels in cellular communication systems. Due to the finite limit of the frequency spectrum the number of available channels is bounded. This constraint has become a **bottleneck** of next-generation **wireless communication** systems. Some array beamforming techniques have been proposed to solve this problem by the space-division multiple access (SDMA). In the paper, a fast adaptive beamforming algorithm for extracting cyclic signals is proposed. Similar to the SCORE algorithm, the new beamformer performs a blind signal extraction. Compared with the SCORE method it has simpler computation and faster convergence rate and higher SINR in many situations of interest. (9 Refs)

Subfile: B C

Descriptors: adaptive signal detection; array signal processing; cellular radio; frequency allocation; multi-access systems; telecommunication channels

Identifiers: adaptive beamforming; cyclic signals; radio channels; cellular communication systems; frequency spectrum; available channels; next-generation wireless communication systems; array beamforming techniques; space-division multiple access; fast adaptive beamforming algorithm; blind signal extraction; convergence rate; computation

Class Codes: B6250F (Mobile radio systems); B6140 (Signal processing and detection); B6410 (Legislation, frequency allocation and spectrum pollution); B6150E (Multiple access communication); C1260 (Information theory); C5260 (Digital signal processing)

12/5/10 (Item 10 from file: 2)

4682201 INSPEC Abstract Number: B9407-1350F-006

Title: A simple and efficient predistorter linearizer for S-band solid state power amplifier

Author(s): Bouzari, H.; Nourifard, M.R.
Author Affiliation: Iran Telecommun. Res. Center, Tehran, Iran

p.175-8
Publisher: IEEE, New York, NY, USA
Publication Date: 1993 Country of Publication: USA 320 pp.
Conference Title: Proceedings of International Conference on Telecommunications
Conference Sponsor: IEEE; IEE; Kings Coll., London; Dubai Chamber Commerce & Ind.; et al
Conference Date: 10-12 Jan. 1994 Conference Location: Dubai, United Arab Emirates
Language: English Document Type: Conference Paper (PA)
Treatment: Experimental (X); Theoretical (T)

Abstract: The necessity of using solid state power amplifiers within their maximum capability as well as good efficiencies is technically emphasized. Intermodulation noise due to non linearly operated **microwave** transistors in the neighbourhood of their saturation point is the most important **bottleneck** in high power **transmitters** . Also using more efficient modulation techniques means a better utilization of the **radio frequency** bandwidth, more and more complicated methods of modulation need linearized amplification for transceivers. In recent years several techniques have been presented to overcome the nonlinearity effects of distorted signals produced from a solid state power amplifier and satisfactory results have been reported for digital satellite and microwave links. Nowadays mobile communication is subject to these nature of studies. (7 Refs)

Subfile: B

Descriptors: electric distortion; electron device noise; intermodulation; microwave amplifiers; power amplifiers; power transistors; solid-state microwave circuits

Identifiers: predistorter linearizer; S-band solid state power amplifier; intermodulation noise; linearly operated microwave transistors; saturation point; efficient modulation techniques; radio frequency bandwidth; linearized amplification; transceivers; nonlinearity effects; distorted signals; digital satellite links; microwave links; mobile communication

Class Codes: B1350F (Solid-state circuits and devices); B1220 (Amplifiers); B6120 (Modulation methods)

12/5/11 (Item 11 from file: 2)

DIALOG(R)File 2:INSPEC

4518402 INSPEC Abstract Number: B9312-6210-023

Title: A penetrationless secure container

Author(s): Skogmo, D.

Author Affiliation: Sandia Nat. Lab., Albuquerque, NM, USA

Conference Title: Proceedings. The Institute of Electrical and Electronics Engineers 1992 International Carnahan Conference on Security Technology: Crime Countermeasures (Cat. No.CH3119-5/92) p.238-43

Editor(s): Sanson, L.D.

Publisher: IEEE, New York, NY, USA

Publication Date: 1992 Country of Publication: USA x+251 pp.

ISBN: 0 7803 0568 X

U.S. Copyright Clearance Center Code: CH3119-5/92/$3.00

Conference Sponsor: IEEE; Georgia Tech. Res. Inst.; Swiss Fed. Inst. Technol

Conference Date: 14-16 Oct. 1992 Conference Location: Atlanta, GA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Secure containers are needed to protect the communication link between a data-gathering instrument and the device used to authenticate that instrument's reports. A container formed by a continuous, penetration-free glass envelope provides a robust solution. The author explores the problems involved with providing power and **communications** for such a penetrationless secure **container** . The design uses a split-core transformer to provide power and **infrared** light for communications. Only light and a magnetic field traverse the envelope. Performance data from a prototype system are presented. It has been demonstrated that power and communication may be provided to the interior of a sealed glass container without penetration of the container. (1 Refs)

Subfile: B

Descriptors: access control; data communication systems; optical communication; power supplies to apparatus; security of data; telecommunication equipment; transformers

Identifiers: power supply; penetrationless secure container; communication link; data-gathering instrument; penetration-free glass envelope; split-core transformer; infrared light; communications

Class Codes: B6210 (Telecommunication applications); B8360 (Power convertors and power supplies to apparatus); B6260 (Optical links and equipment); B2140 (Inductors and transformers)

12/5/12 (Item 12 from file: 2)

DIALOG(R)File 2:INSPEC

03496930 INSPEC Abstract Number: A89133103

Title: Testing of a low-cost item monitoring system (nuclear safeguards)
Author(s): Frank, D.J.; Cunningham, K.R.; Hoover, C.E.; Trujillo, A.A.
Author Affiliation: Rockwell Int., Golden, CO, USA
Conference Title: INMM 29th Annual Meeting Proceedings, Nuclear Materials Management p.809-14
Publisher: INMM, Northbrook, IL, USA
Publication Date: 1988 Country of Publication: USA 959 pp.
Conference Date: 26-29 June 1988 Conference Location: Las Vegas, NV, USA
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: Material control is an important element of any security system which seeks to address the insider threat. Sandia has developed **Wireless** Alarm **Transmission** of **Container** Handling (WATCH) which is a remote sensor system that provides a low-cost, convenient way of monitoring item movement. Rockwell International/Rocky Flats Plant (RFP) and Sandia have conducted a long-term evaluation of the WATCH system in an operating production facility. Testing was conducted in a large scale, remote access storage vault for special nuclear materials. A total of fourteen WATCH units were placed on storage containers in the vault. A schedule was established which provided prearranged movement of monitored containers on a regular basis. The test objectives were to determine (1) the feasibility of using the WATCH system technology to implement material control concepts, (2) the system performance in an active production area, and high radiation environment, (3) the sensitivity settings required for optimum system performance, and (4) the spatial resolution of the transmitter/receiver utilized. (0 Refs)
Subfile: A
Descriptors: nuclear materials safeguards
Identifiers: nuclear safeguards; low-cost item monitoring system; security system; **Wireless** Alarm **Transmission** of **Container** Handling; remote sensor system; WATCH system; special nuclear materials; monitored containers; material control concepts
Class Codes: A2846 (Nuclear materials safeguards)

12/5/13 (Item 13 from file: 2)
DIALOG(R)File 2:INSPEC

03485637 INSPEC Abstract Number: A89125235
Title: International safeguards applications for the WATCH system
Author(s): Drayer, D.D.; Sonnier, C.; Ystesund, K.
Author Affiliation: Sandia Nat. Labs., Albuquerque, NM, USA
Conference Title: INMM 29th Annual Meeting Proceedings, Nuclear Materials Management p.690-3
Publisher: INMM, Northbrook, IL, USA
Publication Date: 1988 Country of Publication: USA 959 pp.
Conference Date: 26-29 June 1988 Conference Location: Las Vegas, NV, USA
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: The **Wireless** Alarm **Transmission** of **Container** Handling (WATCH) system was initially developed for domestic security use, within vaults or storage areas containing many discrete items. The system is composed of remote transmitters and a central receiver. With some modifications the WATCH system could be used in a variety of international safeguards applications. This paper describes the potential applications and what changes would be required, including enclosure of the transmitters within a tamper resistant container, one-way authentication of the transmitted messages, and improved data presentation. (2 Refs)

Subfile: A
Descriptors: nuclear materials safeguards
Identifiers: nuclear safeguards; WATCH system; **Wireless** Alarm **Transmission** of **Container** Handling; domestic security; remote transmitters; central receiver; international safeguards applications; tamper resistant container; one-way authentication; data presentation
Class Codes: A2846 (Nuclear materials safeguards)

12/5/14 (Item 14 from file: 2)
DIALOG(R)File 2:INSPEC

03229612 INSPEC Abstract Number: B88066929, C88055920
Title: Container terminal yard operation system using wireless data transmission
Journal: Mitsui Zosen Technical Review no.134 p.64-74
Publication Date: June 1988 Country of Publication: Japan
CODEN: MIZGAR ISSN: 0026-6825
Language: Japanese Document Type: Journal Paper (JP)
Treatment: Practical (P)
Abstract: In a container terminal where marine and overland transportations by 'door-to-door' containers find their junction points with each other, the demand is growing for a high capacity cargo handling system capable of not only dealing with the increasing number of containers but also coping with the peak loads coming from land and sea. An overview of the advanced container terminal yard operation system developed by Mitsui Zosen Systems Research Inc., in which a **wireless** data transmission system works at connection between a computer and **transfer** (portal) cranes serving for **container** handling, is presented. In this design, merely inputting necessary data to the computer makes it possible to operate various automated systems such as inventory management of containers, controlling transfer crane operations within the terminal yard, and delivering work orders to crane operators. (0 Refs)
Subfile: B C
Descriptors: computerised materials handling; cranes; data communication systems; radio links; telemetering systems
Identifiers: transfer crane control; wireless data transmission; container terminal; cargo handling system; advanced container terminal yard operation system; Mitsui Zosen Systems Research; container handling; inventory management
Class Codes: B6210J (Telemetry); B6250D (Point-to-point radio systems); C3320 (Materials handling); C7420 (Control engineering)

12/5/15 (Item 15 from file: 2)
DIALOG(R)File 2:INSPEC

03158257 INSPEC Abstract Number: A88072770, B88041993, C88034167
Title: WATCH-a low-cost, secure-item monitoring system
Author(s): Sanderson, S.N.
Author Affiliation: Sandia Nat. Labs., Albuquerque, NM, USA
Conference Title: INMM 28th Annual Meeting 'Safeguards - A Mature Technology?' p.310-15
Publisher: Inst. Nucl. Mater. Manage, Northbrook, IL, USA
Publication Date: 1987 Country of Publication: USA 776 pp.
Conference Date: 12-15 July 1987 Conference Location: Newport Beach, CA, USA
Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)
Abstract: Sandia National Laboratories has developed a remote sensor package that provides a low-cost, convenient way of monitoring item movement. Originally, the package was intended for use in valve monitoring, but it is now possible to use it in any sensor application where hardwire installation is impractical or uneconomical. Full system implementation includes a receiver/controller which correlates the arrival time of **RF** signals generated the arrival time of **RF** signals generated by item-monitoring transmitters to increase **communication** security. **Wireless** Alarm **Transmission** of **Container** Handling (WATCH) is such a system. One important application of WATCH is in storage vaults where there are a number of material containers. Applying WATCH to inventory control reduces inventory workload and employee exposure rates; the system also provides quick access to inventory information by interfacing the system with plant site computer systems. (0 Refs)
Subfile: A B C
Descriptors: alarm systems; computerised instrumentation; computerised monitoring; nuclear engineering computing; nuclear materials safeguards; stock control; telemetering
Identifiers: item monitoring systems; remote sensor package; **Wireless** Alarm **Transmission** of **Container** Handling; WATCH; inventory control
Class Codes: A2846 (Nuclear materials safeguards); B7210B (Automatic test and measurement systems); B7210F (Telemetering systems); C3370L (Remote signalling, dispatching and safety devices); C7420 (Control engineering); C7470 (Nuclear engineering)

12/5/16 (Item 16 from file: 2)
DIALOG(R)File 2:INSPEC

02274669 INSPEC Abstract Number: B84038453, C84030097
Title: Microwave nets beam data past crowded routes
Author(s): Dufala, S.T.
Author Affiliation: M/A-Com Local Digital Distribution Co., Rockville, MD, USA
Journal: Data Communications vol.13, no.4 p.211-17
Publication Date: April 1984 Country of Publication: USA
CODEN: DACODM ISSN: 0363-6399
Language: English Document Type: Journal Paper (JP)
Treatment: General, Review (G)
Abstract: The use of digital termination systems DTS can alleviate some of the **bottlenecks** experienced when **transferring** data. Carriers and users alike are permitted to install and operate point to multipoint limited range digital **microwave** networks referred to as DTS. The author looks at the benefits of using such systems and their capabilities and their future. (0 Refs)
Subfile: B C
Descriptors: data communication systems; digital communication systems; microwave links
Identifiers: data transfer; digital termination systems; DTS; point to multipoint limited range digital microwave networks
Class Codes: B6250D (Point-to-point radio systems); C5600 (Data communication equipment and techniques)

12/5/17 (Item 17 from file: 2)
DIALOG(R)File 2:INSPEC

00626471 INSPEC Abstract Number: B74016074
Title: The universal data link system for air/ground communications
Author(s): Thoren, J.B.
Author Affiliation: American Airlines Inc., New York, NY, USA
Conference Title: IEEE International Conference on Communications. Vol. II p.34/5-7
Publisher: IEEE, New York, NY, USA
Publication Date: 1973 Country of Publication: USA xvi+780 pp.
Conference Sponsor: IEEE
Conference Date: 11-13 June 1973 Conference Location: Seattle, WA, USA
Language: English Document Type: Conference Paper (PA)
Treatment: Applications (A)
Abstract: In the domestic US area, airline operational communications requirements are met through the provision of an extensive VHF network comprising over 400 ground radio stations licensed to Aeronautical Radio Inc. by the Federal Communications Commission. At present the air/ground links are operated solely in the voice model but are being modernized to operate both in the voice and digital modes with channel discipline. American Airlines conducted an evaluation of the use of the digital mode of operations for various company and Air Traffic Control (ATC) applications on a 747 aircraft in normal scheduled operations. The results obtained from this evaluation indicate that digital communications offer a direct means for including the aircraft terminal in ground ATC and company automation systems, to reduce voice **radio frequency** congestion and provide some operational benefits through the reduction of air/ground **communication bottlenecks** . (0 Refs)
Subfile: A B
Descriptors: air-traffic control; aircraft communication; digital communication systems; radio links
Identifiers: air/ground communications; airline operational communications; VHF network; voice mode; digital mode; Air Traffic Control; 747
Class Codes: A9480 (Instrumentation and techniques for aeronomy and cosmic ray studies); B6250F (Mobile radio systems); B7650C (Air traffic control)

12/5/18 (Item 18 from file: 2)
DIALOG(R)File 2:INSPEC

00074933 INSPEC Abstract Number: A69047691
Title: A differential emissivity calorimeter
Author(s): Barkalow, B.H.; Baldwin, K.W.
Author Affiliation: Michigan Tech. Univ., Houghton, MI, USA
Journal: Review of Scientific Instruments vol.40, no.4 p.535-8
Publication Date: April 1969 Country of Publication: USA
CODEN: RSINAK ISSN: 0034-6748
Language: English Document Type: Journal Paper (JP)
Abstract: A calorimeter utilizing a differential emissivity thermopile to measure directly the radiant heat exchange of small animals is described. Other modes of heat exchange are effectively eliminated by containing the animal in an **infrared** transparent **container** . Noise on low level **signals** is minimal due to a special heat sink design. Construction details, optimization, calibration, and the validity of negative thermopile signals for radiant energy absorption are discussed.
Subfile: A
Descriptors: biological techniques and instruments; calorimeters
Class Codes: A8716 (Biothermics); A8780 (Biophysical instrumentation and techniques)

12/5/19 (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

01768156 ORDER NO: AADAA-I9987630
Robust image/video transmission with efficient error resilient codecs
Author: Yang, Te-Chung
Degree: Ph.D.
Year: 1999
Corporate Source/Institution: University of Southern California (0208)
Adviser: Chung-Chieh Jay Kuo
Source: VOLUME 61/09-B OF DISSERTATION ABSTRACTS INTERNATIONAL. PAGE 4906. 94 PAGES
Descriptors: ENGINEERING, ELECTRONICS AND ELECTRICAL
Descriptor Codes: 0544
ISBN: 0-599-94778-0

An robust still image compression algorithm and implementation of wireless video transmission is introduced. The improved self-synchronizing Huffman code is proposed to decrease the error propagation length in the compressed bit stream caused by errors during transmission. After regaining synchronization, the decoder may still not be able to align each symbol with its correct location due to the wrong number of previously decoded symbols in the error propagation region. A scheme to identify the probable error location and then move symbols towards their correct positions is also proposed by exploiting the correlation between coefficients of the current subband and their parent subband. Experiments under different error conditions are performed, and it is demonstrated that the proposed error resilient techniques provide more a robust codec with very little sacrifice in the coding efficiency. The proposed algorithm has been cited in the documentation of error resilience ad hoe group of the verification model of next generation still image compression standard, JPEG 2000. Secondly, error resilient compression and transmission algorithm tailored to media and standard is implemented. In order to minimize the effect of errors on perceptually important low frequency subbands without introducing much higher overhead for error resiliency in JPEG 2000, we propose that these low frequency subbands be coded by using reversible variable length codes (RVLC). Unlike arithmetic codes, RVLC allows two-way decoding. This results in the recovery of larger parts of the corrupted block in spite of the presence of errors. The remaining coefficients of the block can then be reliably reconstructed by using error concealment at the decoder. To examine the performance and the **bottleneck** of a **wireless** video **transmission** system over the cellular phone infrastructure, we build one system to demonstrate the feasibility and use a low overhead error control scheme to achieve robustness.

12/5/20 (Item 2 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

01276858 ORDER NO: AAD93-05843
ARSINE ANALYSIS BY SEALED INDUCTIVELY COUPLED PLASMA SPECTROSCOPY (SEALED DISCHARGE)
Author: JACKSIER, TRACEY
Degree: PH.D.
Year: 1992
Corporate Source/Institution: UNIVERSITY OF MASSACHUSETTS (0118)
Director: RAMON M. BARNES
Source: VOLUME 53/10-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 5171. 229 PAGES
Descriptors: CHEMISTRY, ANALYTICAL; CHEMISTRY, PHYSICAL
Descriptor Codes: 0486; 0494

An enclosed inductively coupled plasma (ICP) was designed to overcome the limitations of the conventional ICP torch for the analysis of toxic and reactive gases. In particular, the extreme toxicity of arsine prevents the safe application of a standard ICP torch and gas exhaust for the direct determination of impurities in arsine. The enclosed ICP provides containment of toxic gases in a quartz discharge container. The total volume of toxic gas consumed is minimized as well.

Parameter characterization of a sealed ICP system was investigated. The choice and role of the additive gas, effect of flow rate, discharge **container** size and geometry, **rf** power, **signal** reproducibility, operating parameters, and procedures were determined.

Modifiers were investigated to prevent deposition of arsenic and metallic impurities to the cooler container walls. The first reported direct qualitative analysis of semiconductor-grade arsine is described. Chlorine was found to be the most effective additive gas for arsenic vaporization for both flowing and static ICP operation. Chlorine addition to the argon stream extended the arsine introduction to concentrations of up to 10% into the discharge. An rf generator (40.68 MHz) power of 1.0 kW and 30% chlorine content for 7.11% arsine in a 65-mm diameter spherical container were applied to identify eight impurities qualitatively: C, Fe, Ge, Mg, Mo, Ni, Sn, and V.

A vapor phase introduction system was developed to calibrate the SICP. Theoretical detection limits for tin in arsine and chlorine were calculated as 2.00 and 0.218 ppb, respectively.

A hypothesis was formulated to describe the stability of the chlorine-containing arsine plasma. Proof of this hypothesis will require techniques to probe the presence and distribution of ion and atom species within the sealed discharge.

The absolute noise power spectra of atomic emission signals from the SICP for flowing and static operation demonstrated that noise below 5 Hz was lower than observed in conventional ICP discharges. White noise levels were lower for the SICP than a conventional ICP. The implications of this result is the improvement in signal-to-noise ratio signal averaging techniques. This can provide very low analyte detection limits measured in the sealed inductively coupled plasma.

12/5/21 (Item 1 from file: 65)
DIALOG(R)File 65:Inside Conferences

02985230 INSIDE CONFERENCE ITEM ID: CN031638508
The determination of water content in a multi-component liquid pharmaceutical through amber plastic bottles **by near-** infrared transmission **spectroscopy**
Broad, N. W.; Jee, R. D.; Moffat, A. C.; Mann, W. C.
CONFERENCE: British pharmaceutical conference-136th
JOURNAL OF PHARMACY AND PHARMACOLOGY, 1999; VOL 51; SUPP P: 232
Pharmaceutical Society of Great Britain, 1999
ISSN: 0022-3573
LANGUAGE: English DOCUMENT TYPE: Conference Extended abstracts
CONFERENCE EDITOR(S): Rowe, R. C.
CONFERENCE LOCATION: Cardiff
CONFERENCE DATE: Sep 1999 (199909) (199909)

BRITISH LIBRARY ITEM LOCATION: 5034.000000
NOTE:

See also 6444.000 vol 263 no 7063 and no 7063 suppl 1 1999 for further abstracts and programme
DESCRIPTORS: pharmaceutical

12/5/22 (Item 1 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

1548170 H.W. WILSON RECORD NUMBER: BAST96053702
Urethane solves tough drug-delivery challenge
Design News v. 51 [i.e. 52] (Aug. 12 '96) p. 48
DOCUMENT TYPE: Feature Article ISSN: 0011-9407 LANGUAGE: English
RECORD STATUS: Corrected or revised record

ABSTRACT: Abbott Laboratories of Abbott Park, Illinois, has used Stevens Urethane in its Abbott SnapDose portable drug-delivery system. The urethane cuff is critical to the system's operation and consists of 3 layers of Stevens Urethane, which are **radio frequency** sealed. The first 2 layers of the plastic surround the **container** holding the **drug** , and the second and third layers enclose an ampule that expands when snapped or squeezed, which forces out the drug.

DESCRIPTORS: Drugs--Administration; Plastics--Medical use; Intravenous feeding;

12/5/23 (Item 1 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00417180 96MF03-007
Bottleneck **busters -- A** wireless **data** communications **system and rugged hand-helds help a major soft-drink distributor ensure that its customers' orders...**
Keenan, Bill
Mobile Office , March 1, 1996 , v7 n3 p84-86, 2 Page(s)
ISSN: 1047-1952
Languages: English
Document Type: Feature Articles and News
Geographic Location: United States
Provides a case study of the Pepsi-Cola Allied Bottlers, a soft drink distributor that needed to upgrade its method of gathering sales representatives' orders for next-day delivery. Says that it previously used a phone system with menus that were not recognized by new phones, were too slow, and could not be made faster. Reports that Paul Contois, company manager of information systems, tried Norand Fast Access, a wireless data communications system that is built around the PEN KEY 6200 hand-helds, Racotek's Key Ware wireless networking software, and RAM Mobile Data's nationwide wireless data communications network. Claims that ordering now takes about 45 seconds, overtime in the warehouse has been reduced, and customers' orders arrive on schedule. Adds that the sales representatives have more time for displays and selling. Includes one photo. (bjp)
Descriptors: Wireless Communication; Hand-held Computer; Sales; Business; Mobile Computing; Case Study

12/5/24 (Item 1 from file: 474)
DIALOG(R)File 474:New York Times Abs

07066649 NYT Sequence Number: 096750950101
KEEPING WATCH OVER GOODS
New York Times, Col. 3, Pg. 8, Sec. 3
Sunday January 1 1995
DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English
RECORD TYPE: Abstract

ABSTRACT:
New cargo-tracking system, Profit Max, is briefcase-sized device that bolts to interior of freight **container** , using electronic sensors and **wireless communications** links to let shippers remotely monitor their cargo, whether on truck, train or ship (M)

DESCRIPTORS: FREIGHT FORWARDING
PERSONAL NAMES: MURPHY, KATE

12/5/25 (Item 1 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

06348812
SingTech unit gets wireless network job
SINGAPORE: STMD BAGS WIRELESS NETWORK DEAL
The Straits Times (XBB) 7 Aug 1996 P.38
Language: ENGLISH

In Singapore, freight forwarder Lee Thong Hung Forwarding has entered a deal with telecommunications service provider ST Mobile Data (STMD) for an islandwide two-way **wireless** data **communication** network for its fleet of **container** trucks. The **communication** network will enable the freight forwarder to track, manage and communicate with its container trucks via a computerised central control system. It will also enable the company to give immediate response to order requests and to assign the closest vehicle to the customers.

COMPANY: LEE THONG HUNG FORWARDING; ST MOBILE DATA

PRODUCT: Road Haulage (4210); Freight Forwarding (4712FF); Data Communications Equipment (3661DC); Mobile Communications Equipment (3662MB);
EVENT: General Management Services (26); Capital Expenditure (43); Use of Materials & Supplies (46); Contracts & Orders (61);
COUNTRY: Singapore (9SIN);

12/5/26 (Item 2 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

03582045
PLASTIC TRAYS MAY POSE SAFETY HAZARD IN READY MEALS
UK - PLASTIC TRAYS MAY POSE SAFETY HAZARD IN READY MEALS
Today (TY) 10 July 1990 p1-2
ISSN: 0040-8379

Plastic trays used for **microwaveable** ready meals may contain poisonous chemicals which could seep into food during microwaving, and consumers have been advised to **transfer** ready meals to ceramic **containers** before

microwaving. Consumers are not adequately protected by controls which should limit the amount of plastic that food can absorb, according to Food Magazine. Many substances used to manufacture plastic trays are not tested for toxicity, while plastic wrapping can also pose a health hazard. Even proposed EEC legislation on packaging does not go far enough. The British Plastics Federation has criticised the report.

PRODUCT: Ready Prepared Meals (2000RP); Plastic Containers (3074); Plastic Food Packaging (3074FO); Glass Food Packaging (3221GF); Metal Food Packaging (3411FP); Food Safety & Hygiene Equipment (3551FS);
EVENT: MARKET & INDUSTRY NEWS (60);
COUNTRY: United Kingdom (4UK); OECD Europe (415); NATO Countries (420); South East Asia Treaty Organisation (913);

12/5/27 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

13414363 BIOSIS NO.: 200200043184
Medical **instrument shielded** container **for** microwave **sterilization**
AUTHOR: Corby K D; Chiarilli F; Foeller D E; He F; Shmois J M; Harissis P J ; Allen M B M; Condo M-I E
AUTHOR ADDRESS: Rochester, N.Y.**USA
JOURNAL: Official Gazette of the United States Patent and Trademark Office Patents 1186 (1):p343-344 May 7, 1996
PATENT NUMBER: US 5514342 PATENT DATE GRANTED: May 7, 1996 19960507
PATENT ASSIGNEE: EASTMAN KODAK COMPANY PATENT COUNTRY: USA
ISSN: 0098-1133
DOCUMENT TYPE: Patent
RECORD TYPE: Citation
LANGUAGE: English
MAJOR CONCEPTS: Methods and Techniques; Pharmacology; Radiation Biology
MISCELLANEOUS TERMS: MEDICAL EQUIPMENT; METHODS
CONCEPT CODES:
39500 Disinfection, Disinfectants and Sterilization
01004 Methods, Materials and Apparatus, General-Laboratory Methods
06502 Radiation-General

12/5/28 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE

07157300 EMBASE No: 1998046521
The identification of active drugs in tablets using near infrared spectroscopy
Khan P.R.; Jee R.D.; Watt R.A.; Moffat A.C.
A.C. Moffat, Centre for Pharmaceutical Analysis, The School of Pharmacy, 29-39 Brunswick Square, London WC1N 1AX United Kingdom
Pharmaceutical Sciences (PHARM. SCI.) (United Kingdom) 1997, 3/9 (447-453)
CODEN: PHSCF ISSN: 1356-6881
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 10

Near infrared is a rapid, non-destructive method of analysis which requires no sample preparation. The identification of pure powdered drugs and the active drug in tablets from a database of 96 pure drugs is demonstrated. Powdered pure **drugs** contained in glass **vials** and tablets

were scanned by placing the samples directly onto the quartz window of a NIRSystems model 6500 near **infrared** spectrometer. Sampling time was approximately 40 s. The data were analysed using a number of chemometric procedures such as second derivatives, correlation spectral matching, wavelength distances, polar co-ordinates, centres of gravity and scanning probability windows. Identifications with correlation spectral match values of 1.00 were achieved when identifying batches of pure drugs from the database and wavelength distances produced a best match maximum standard deviation of 1.2. The active drug in batches of Allopurinol Tablets BP was identified from the database with correlation spectral match values ranging from 0.81 to 0.95, with the best match suggested from the database differing significantly from the next best in each case. Optimization of the scan range showed 2000 to 2400 nm to be the most effective for use. Optimum scanning probability windows of 200 nm in conjunction with the polar qualification system and centres of gravity distinguished between different tablet manufacturers and demonstrated the ability for identification based upon near infrared data.

DRUG DESCRIPTORS:
*allopurinol--drug analysis--an; *acetylsalicylic acid--drug analysis--an; *cimetidine--drug analysis--an
desipramine--drug analysis--an; papaverine--drug analysis--an
MEDICAL DESCRIPTORS:
tablet; infrared spectroscopy; article
CAS REGISTRY NO.: 315-30-0 (allopurinol); 493-53-8, 50-78-2, 53663-74-4, 53664-49-6, 63781-77-1 (acetylsalicylic acid); 51481-61-9, 70059-30-2 (cimetidine); 50-47-5, 58-28-6 (desipramine); 58-74-2, 61-25-6 (papaverine)
SECTION HEADINGS:
030 Clinical and Experimental Pharmacology
037 Drug Literature Index

12/5/29 (Item 2 from file: 73)
DIALOG(R)File 73:EMBASE

06552706 EMBASE No: 1996213335
Influence of the presence of trace amounts of metals on the polymorphism of tolbutamide
Olives A.I.; Martin M.A.; Del Castillo B.; Barba C.
Seccion Deptl. de Quimica Analitica, Facultad de Farmacia, Universidad Complutense de Madrid,28040 Madrid Spain
Journal of Pharmaceutical and Biomedical Analysis (J. PHARM. BIOMED. ANAL.) (Netherlands) 1996, 14/8-10 (1069-1076)
CODEN: JPBAD ISSN: 0731-7085
DOCUMENT TYPE: Journal; Conference Paper
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

The polymorphism phenomenon causes an important problem in the preparation of many pharmaceutical dosage forms, including oral suspensions, tablets, creams and suppositories. In this work the influence of the presence of certain metallic elements (Ca(II), Fe(III), Mn(II), Zn(II), Cd(II), Ni(II) and Co(II)) in trace amounts on the polymorphism of tolbutamide is described. For these studies, known amounts (5-500 ppm) of different cations were added to ethanol water solutions of the pharmacologically active polymorph A of tolbutamide prior to its crystallization. These cations were chosen as being among those that commonly appear in drug solutions as a consequence of elution from glass containers. IR studies show that the presence of cations prevents the appearance of the polymorph B of the tolbutamide. Thus, the peaks at 2980,

2940, 2890, 905, 851, 816 and 727 cmsup -sup 1 (polymorph A) appeared but not the ones at 1045 and 847 cmsup -sup 1 corresponding to polymorph B. Scanning electron microscopy studies reveal that, in the presence of Casup 2sup +, a third kind of crystal different from polymorphs A and B appears. This form of olbutamide cannot be identified with 'polymorph III' of Al-Saieq and Rileys (S.S. Al-Saieq and G.S. Riley, Pharm. Acta. Helv., 56 (1981) 125-129) due to their different IR data. Dissolution rate tests and X-ray diffractometry were also employed in this study. All these results showed that divalent cations partially avoid the transformation of polymorph A into polymorph B.

MANUFACTURER NAMES: hoechst
DRUG DESCRIPTORS:
*tolbutamide--drug analysis--an; *tolbutamide--pharmacology--pd; *trace metal
cadmium; calcium ion; cobalt; ferric ion; glass; manganese; nickel; zinc
MEDICAL DESCRIPTORS:
*drug structure
atomic absorption spectrometry; conference paper; **container** ; controlled study; crystallization; **drug** formulation; **drug** solubility; **infrared** spectroscopy; phase transition; priority journal; scanning electron microscopy; X ray diffraction
CAS REGISTRY NO.: 473-41-6, 64-77-7 (tolbutamide); 22537-48-0, 7440-43-9 (cadmium); 14127-61-8 (calcium ion); 7440-48-4 (cobalt); 20074-52-6 (ferric ion); 16397-91-4, 7439-96-5 (manganese); 7440-02-0 (nickel); 7440-66-6 (zinc)
SECTION HEADINGS:
  030 Clinical and Experimental Pharmacology
  037 Drug Literature Index

12/5/30 (Item 3 from file: 73)
DIALOG(R)File 73:EMBASE

00046000 EMBASE No: 1974036041
Use of plastic containers for fluid drug preparations. VI: Pentetrazole injection solution in plastic ampules. I: Testing instructions and stability checking
BEITRAGE ZUR PROBLEMATIK DES EINSATZES VON KUNSTSTOFFBEHALTERN FUR FLUSSIGE ARZNEIZUBEREITUNGEN. VI. MITTEILUNG: PENTETRAZOL INJEKTIONSLOSUNG IN PLASTAMPULLEN. I. PRUFUNGSVORSCHRIFT UND STABILITATSGUTACHTEN
Kottke K.; Friedrich F.
Sekt. Pharm., Ernst Moritz Arndt Univ., Greifswald Germany
Pharmazie (PHARMAZIE) 1973, 28/1 (43-48)
CODEN: PHARA
DOCUMENT TYPE: Journal
LANGUAGE: GERMAN
DRUG DESCRIPTORS:
*cadaverine; *drug metabolite; *pentetrazole
MEDICAL DESCRIPTORS:
* **container** ; * **drug analysis** ; * **drug** control; * **drug** interaction; *drug stability; *gravimetry; * **infrared** spectrometry; *potentiometry; * ultraviolet radiation
theoretical study; methodology
MEDICAL TERMS (UNCONTROLLED): iodometry
CAS REGISTRY NO.: 1476-39-7, 462-94-2 (cadaverine); 54-95-5 (pentetrazole)
SECTION HEADINGS:
  037 Drug Literature Index

12/5/31 (Item 4 from file: 73)
DIALOG(R)File 73:EMBASE

00042269 EMBASE No: 1974032308
Noncontact sensing of electric fields surrounding trout
Lonsdale E.M.; Marshall Jr W.C.
Univ. Wyoming, Laramie, Wyo. United States
ISA TRANS. 1973, 12/1 (82-87)
CODEN: ISATA
DOCUMENT TYPE: Journal
LANGUAGE: ENGLISH

A noncontact radio telemetry system has been developed to investigate the electric fields surrounding fish in an aquarium. These fields arise from body movements, operculation action, and heart activity. Their existence around trout has not been reported previously due in part to their low energy level. The potential is sensed by a pair of electrodes spaced approximately 5 cm apart and the voltage developed at the electrodes is amplified and used to frequency modulate a pulsed squegging oscillator operating at 100 mHz. The entire elementary **transmitter** is housed in a plastic **container** and submerged in the aquarium close to the fish. **Radio frequency** energy from the transmitter is detected at distances up to 15 m using an entertainment type FM receiver. After demodulation, the resulting waveform is displayed either on a cathode ray oscilloscope or permanently recorded on a strip chart. Biological data is presented in the form of strip chart records of operculation and heart potentials. Also, a plot showing the effect of water temperature on heart rate is included. The radio telemetry system has proven to be superior to a hard wire system in that the data can be secured on an unfettered trout. Using this system, several interesting physiological and behavioral studies can be made which have heretofore been impossible.

MEDICAL DESCRIPTORS:
*electric field
fish; methodology
SECTION HEADINGS:
027 Biophysics, Bioengineering and Medical Instrumentation

12/5/32 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

08548676 Genuine Article#: 299TN Number of References: 7
Title: Shaped silicon nitride bead aggregates
Author(s): Plovnick RH (REPRINT)
Corporate Source: 3M CO,CTR ADV MAT TECHNOL, 3M CTR, 201-3N-06/ST PAUL//MN/55144 (REPRINT)
Journal: MATERIALS RESEARCH BULLETIN, 1999, V34, N14-15 (NOV-DEC), P 2137-2141
ISSN: 0025-5408 Publication date: 19991100
Publisher: PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND
Language: English Document Type: ARTICLE
Geographic Location: USA
Subfile: CC PHYS--Current Contents, Physical, Chemical & Earth Sciences; CC ENGI--Current Contents, Engineering, Computing & Technology
Journal Subject Category: MATERIALS SCIENCE
Abstract: Silicon nitride-containing spheroidal beads 3-4 mm in diameter were made by an alginate route from Si3N4 powder in such a way that

their surface contained calcium alginate. Wet beads were rendered tacky upon treatment with an ethylenediaminetetraacetic acid diammonium salt chelating solution. These tacky beads were **transferred** to **containers** of desired shape, **microwave** -dried, calcined, and sintered in nitrogen. The result was shaped Si3N4 bead aggregates with enough cohesive strength to permit their use as insulation board in high-temperature furnaces. (C) 2000 Elsevier Science Ltd.

Descriptors--Author Keywords: ceramics ; nitrides

Cited References:

JP 2180709, 1990, MORI S
GOULD ES, 1962, P110, INORGANIC REACTIONS
JANEWAY PA, 1992, V139, P49, CERAM IND
KATSUKI H, 1992, V27, P6067, J MATER SCI
PLOVNICK RH, 1997, V32, P749, MATER RES BULL
SCHWARK JM, 1992, V271, P807, MATER RES SOC S P
TUREKIAN KK, 1966, V4, P129, TREATISE ANAL CHEM 2

```
Set     Items   Description
S1          9   AU=(WALKER J? OR WALKER, J?)
S2     931771   WIRELESS? OR RF OR RADIO()(FREQUENC? OR WAVE?) OR INFRARED
              OR RADIOFREQUENC? OR RADIOWAVE? OR CABLELESS OR CABLEFREE OR
             (WIRE OR CABLE)()(LESS? OR FREE) OR MICROWAVE?
S3    2343516   PRESCRIPTION? OR RX OR R()X OR DRUG? ? OR MEDICATION? OR M-
             EDICINE? OR MEDICAL
S4     481120   CONTAINER? OR BOTTLE? OR JAR OR VIAL? ?
S5    8414927   TRANSFER? OR TRANSMI? OR FORWARD OR SEND? OR SENT OR COMMU-
             NICAT? OR SIGNAL?
S6       4074   S3(3N)S4
S7         16   S6(S)S2
S8       8244   S4(5N)S5
S9         82   S8(15N)S2
S10        98   S7 OR S9
S11        54   S10 NOT PY>2000
S12        38   S11 NOT PD=20000310:20030702
S13        32   RD (unique items)
? show file
File  20:Dialog Global Reporter 1997-2003/Jul 03
         (c) 2003 The Dialog Corp.
File 476:Financial Times Fulltext 1982-2003/Jul 03
         (c) 2003 Financial Times Ltd
File 610:Business Wire 1999-2003/Jul 03
         (c) 2003 Business Wire.
File 613:PR Newswire 1999-2003/Jul 03
         (c) 2003 PR Newswire Association Inc
File 624:McGraw-Hill Publications 1985-2003/Jul 02
         (c) 2003 McGraw-Hill Co. Inc
File 634:San Jose Mercury  Jun 1985-2003/Jul 02
         (c) 2003 San Jose Mercury News
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File 444:New England Journal of Med. 1985-2003/Jul W1
         (c) 2003 Mass. Med. Soc.
```

13/3,K/1 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

08837933 (USE FORMAT 7 OR 9 FOR FULLTEXT)
CAM Campaign Hall of Fame. (Part 2 of 2)
CAMPAIGN, p11
December 20, 1999
JOURNAL CODE: FCAM LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 5820

...NAICS CODES/DESCRIPTIONS: 481111 (Scheduled Passenger Air Transportation); 53121 (Offices of Real Estate Agents & Brokers); 513322 (Cellular & Other **Wireless** Telecommunications); 2211 (Electric Power Generation **Transmission** & Distribution); 312112 (**Bottled** Water Mfg); 42248 (Fresh Fruit & Vegetable Whsle); 311 (Food Mfg); 813312 (Environment & Wildlife Organizations); 334...

13/3,K/2 (Item 2 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

08141924
A NEW CONTAINER FOR STORAGE AND TRANSPORTATION OF USED NUCLEAR FUEL WAS PRESENTED ON OCT 26 BY "IZHORSKIYE ZAVODY" JOINT-STOCK COMPANY.
A&G INFORMATION SERVICES (COMTEX)
November 09, 1999
JOURNAL CODE: WANG LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 94

... the international environmental program for the Arctic, "AMES", in which the Defense Ministries of the **RF** , Norway and the USA take part. In the near future the first **container** will be **sent** to Murmansk for testing. By the end of the year the enterprise will produce another...

13/3,K/3 (Item 3 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

08000526 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Coke Studying Interactive Vending Machines
Christopher Seward
KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (ATLANTA JOURNAL AND CONSTITUTION - GEORGIA)
October 28, 1999
JOURNAL CODE: KAJC LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 316

...to do just that.
For months, researchers at the Atlanta-based company have been studying **wireless** technology that would allow **bottlers** to " **communicate** " with vending machines to lower prices during periods of low sales and then return prices...

13/3,K/4 (Item 4 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

07956961 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Gemplus Tag and Tetra Systems Develop RFID-Based Solution to Track Medical Equipment At BMR NeuroTech
BUSINESS WIRE
October 27, 1999
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 1050

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... tracking with applications for identifying and tracking assets such as garments, industrial and domestic gas, **containers** , rental items and **medical** devices.
About Tetra Systems
Tetra Systems Corporation is a St. Louis-based design and system...

13/3,K/5 (Item 5 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

05060431 (USE FORMAT 7 OR 9 FOR FULLTEXT)
American Millennium Corporation, Inc. Announces Addition to Management Team
BUSINESS WIRE
April 22, 1999
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 556

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... gas sites, as well as being able to monitor multiple functions aboard railcars and intermodal **containers** . The **wireless** data is **transmitted** and received via satellites and can then be posted to the Internet or sent to...

13/3,K/6 (Item 6 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

04447223 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Praxair Helium Helps Lift Around-the-World Balloon Flight
BUSINESS WIRE
February 25, 1999
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 525

(USE FORMAT 7 OR 9 FOR FULLTEXT)

The helium for The Cable & **Wireless** Balloon was supplied from Praxair's production facilities in the Southwestern United States and **sent** to Spain via **container** ship.
Helium (chemical symbol: He) is the second lightest elemental gas next to hydrogen and...

13/3,K/7 (Item 7 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

02875565 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Lab Store Makes a Bold Brand Statement
PR NEWSWIRE
September 21, 1998 8:50
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 951

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... but would she toss a five-minute meal together with frozen ingredients zapped in the **microwave** ? The point is that her granddaughter sure would, and for her, we created Intellivent **containers** ," says **communications** director Lorrie Paul Crum. "Where else can you find everything you need to tame your...

13/3,K/8 (Item 8 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

02258947 (USE FORMAT 7 OR 9 FOR FULLTEXT)
New method in sterilising bottles
NEW STRAITS TIMES (MALAYSIA)
July 20, 1998
JOURNAL CODE: FNST LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 334

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... based projects.
The London Press Service, in its weekly newsletter, said the system to sterilise **bottles** involved **transmitting microwaves** through the side of a bottle to energise an electrodeless ultraviolet-emitting bulb inside the...

13/3,K/9 (Item 9 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

01817922 (USE FORMAT 7 OR 9 FOR FULLTEXT)
HEWLETT-PACKARD: HP demonstrates 16 Mb/s point-and-shoot IR transceiver technology
M2 PRESSWIRE
June 02, 1998
JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 786

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... will help offload the traffic from portable digital appliances over IrDA and alleviate potential bandwidth **bottlenecks** these devices could cause by **transferring** data via USB.
Infrared LAN access products also need the higher bandwidth. "The 4Mb/s IrDA specification for infrared...

13/3,K/10 (Item 10 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

01799203 (USE FORMAT 7 OR 9 FOR FULLTEXT)
HP Demonstrates 16Mb/s Point-and-Shoot IR Transceiver Technology; Expanded Capability Targets Emerging Digital Appliances
BUSINESS WIRE
June 01, 1998 11:21
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 753

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... that it will help offloadthe traffic from portable digital appliances over IrDA and alleviate potentialbandwidth **bottlenecks** these devices could cause by **transferring** data via USB.
Infrared LAN access products also need the higher bandwidth. "The 4Mb/s IrDAspecification for infrared LAN...

13/3,K/11 (Item 1 from file: 476)
DIALOG(R)File 476:Financial Times Fulltext

0004555515 B08IOBKABBFT
UK Company News: Restructured DRG Shows 15 Per Cent Gain
MAGGIE URRY
Financial Times, P 31
Thursday, September 15, 1988
DOCUMENT TYPE: NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
Word Count: 408

...its problem areas by making operations more efficient and in pursuing growth opportunities such as **medical** packaging and **microwaveable containers** for convenience foods. A by-product of the former is the release of land which...

13/3,K/12 (Item 1 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications

0681658
PROPOSAL WOULD PERMIT PART 135 PILOTS TO PERFORM SIMPLE MAINTENANCE TASKS
The Weekly of Business Aviation July 31, 1995; Pg 48; Vol. 61, No. 5
Journal Code: BA ISSN: 0509-9528
Word Count: 470 *Full text available in Formats 5, 7 and 9*

TEXT:
... pilots to remove and reinstall aircraft cabin seats, approved cabin-mounted stretchers and cabin-mounted **medical** oxygen **bottles** . In addition, pilots could remove and replace self-contained, instrument-panel-mounted navigation and communication devices (excluding automatic flight control systems, transponders and **microwave** frequency distance measuring equipment) "if the approved unit is designed to be readily and repeatedly...

13/3,K/13 (Item 1 from file: 634)
DIALOG(R)File 634:San Jose Mercury

05051957
ANATOMY OF A BURNED HOUSE TOUR TO SHOW RESULTS OF FIRE
SAN JOSE MERCURY NEWS (SJ) - Friday, June 30, 1989
By: NEIL CHETHIK, Mercury News Staff Writer
Edition: Alameda County/AM Section: Local Page: 1B
Word Count: 361

... warped bookshelf and a television picture tube. The rest of the TV melted.

A toasted **microwave** sits on the kitchen counter. In the bathroom, two blackened **medicine bottles** remain standing in the medicine cabinet on the wall, the cabinet door half-melted off...

13/3,K/14 (Item 1 from file: 810)
DIALOG(R)File 810:Business Wire

0495624 BW1311

AMTECH TOLL COLLCT STDY: Amtech to participate in joint study of Japanese Electronic Toll Collection (ETC) system

June 20, 1995

Byline: Business Editors, Computers/Electronics Writers

...manufactures, markets and supports a line of hardware and software products and provides services utilizing **radio frequency** technology. The Company uses **radio frequency** identification (RFID) technology for remote identification and **communication** with vehicles, intermodal **containers** , and other transportation equipment through the use of radio signals. Other RFID products include low...

13/3,K/15 (Item 2 from file: 810)
DIALOG(R)File 810:Business Wire

0486446 BW1098

AMTECH: AMTECH CORPORATION REPORTS FIRST QUARTER RESULTS AND THE FORMATION OF A JOINT VENTURE IN THE PEOPLE'S REPUBLIC OF CHINA

May 12, 1995

Byline: Business Editors

...manufactures, markets and supports a line of hardware and software products and provides services utilizing **radio frequency** technology. The Company uses **radio frequency** identification (RFID) technology for remote identification and **communication** with vehicles, intermodal **containers** , and other transportation equipment through the use of radio signals. Other RFID products include low...

13/3,K/16 (Item 3 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0464386 BW1122

AMTECH: AMTECH CORPORATION ANNOUNCES FOURTH QUARTER AND 1994 OPERATING RESULTS, DIVIDEND, COTAG ACQUISITION CLOSING, TWO NEW OUTSIDE DIRECTORS AND 1995 OUTLOOK

February 15, 1995

Byline: Business Editors

...manufactures, markets and supports a line of hardware and software products and provides services utilizing **radio frequency** technology. The Company uses RFID technology for remote identification and **communication** with vehicles, intermodal **containers** , and other transportation equipment through the use of radio signals. Other RFID products include low...

13/3,K/17 (Item 4 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0463287 BW1073

AMTECH: Amtech comments on federal communications commission ruling

February 10, 1995

Byline: Business Editors & Technology Writers

...manufactures, markets and supports a line of hardware and software products and provides services utilizing **radio frequency** technology. The Company uses RFID technology for remote identification and **communication** with vehicles, intermodal **containers** , and other transportation equipment through the use of radio signals. Other RFID products include low...

13/3,K/18 (Item 5 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0452098 BW1245

AMTECH SWISS RAIL: Swiss Railways to introduce UIC automatic vehicle identification

December 19, 1994

Byline: Business Editors

...manufactures, markets and supports a line of hardware and software products and provides services utilizing **radio frequency** identification (RFID) technology. RFID technology permits the remote identification of and **communication** with trucks, automobiles, railcars, intermodal **containers** and other

transportation equipment through the use of radio signals. Amtech products are currently marketed...

13/3,K/19 (Item 6 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0442163 BW1286

AMTECH: Amtech reports third quarter results and dividend

November 03, 1994

Byline: Business Editors

...manufactures, markets and supports a line of hardware and software products and provides services utilizing **radio frequency** identification (RFID) technology. RFID technology permits the remote identification of and **communication** with trucks, automobiles, railcars, intermodal **containers** and other transportation equipment through the use of radio signals. Amtech products are currently marketed...

13/3,K/20 (Item 7 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0403421 BW720

AMTECH: Amtech announces record quarterly earnings

May 4, 1994

Byline: Business Editors

...manufactures, markets and supports a line of hardware and software products and provides services utilizing **radio frequency** electronic identification technology. **Radio frequency** electronic identification (RFID) technology permits the remote identification of and **communication** with trucks, automobiles, railcars, intermodal **containers** and other transportation equipment through the use of radio signals. Amtech products are currently marketed...

13/3,K/21 (Item 1 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1121766 LATU052
Debra A. Chenault Named Vice President Advertising Sales for WaveTop

DATE: July 8, 1997 12:47 EDT WORD COUNT: 568

... the home PC. The new broadcast service will deliver consumer based entertainment and information programming **wirelessly** via the VBI of television broadcast **signals** without the **bottleneck** of the Internet or tying up phone lines.

In her new role, Chenault will be...

13/3,K/22 (Item 2 from file: 813)
DIALOG(R)File 813:PR Newswire

1057897 LATU042
WavePhore Reports Strong Revenue Growth For 1996

DATE: February 18, 1997 12:00 EST WORD COUNT: 902

...broadcast service will deliver entertainment and information programming to the PC via existing TV broadcasting **signals** without the **bottleneck** of the Internet or tying up costly phone lines.

WavePhore, Inc. the industry leader in **wireless** data broadcasting, is comprised of three divisions: WavePhore Consumer Group, WavePhore Networks and WavePhore Newscast...

13/3,K/23 (Item 3 from file: 813)
DIALOG(R)File 813:PR Newswire

0869968 a6197
TELSOFT ANNOUNCES VERSION 5.0 OF WIRELESS DATA COMMUNICATIONS SOFTWARE

DATE: October 13, 1995 13:03 EDT WORD COUNT: 557

...Import/Export interface.

"The bottom line to Tech-Net is streamlining your dispatching operation through **wireless** communications and empowering your mobile workers to be more efficient. In essence, we eliminate the **bottleneck** in **communication** between mobile workers and dispatchers. Tech-Net **wireless** communications enables the mobile workers to bypass the dispatcher for routine clerical functions such as...

13/3,K/24 (Item 4 from file: 813)
DIALOG(R)File 813:PR Newswire

0833717 NY030
AMTECH ANNOUNCES ACQUISITION OF CARDKEY SYSTEMS

DATE: June 21, 1995 09:23 EDT WORD COUNT: 713

...manufactures, markets and supports a
line of hardware and software products and provides services utilizing **radio frequency** technology. The Company uses **radio frequency** identification (RFID) technology for remote identification and **communication** with vehicles, intermodal **containers** , and other transportation equipment through the use of radio signals. Amtech is expanding its product...

13/3,K/25 (Item 5 from file: 813)

DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0775062 NY061
AMTECH CORPORATION ACQUIRES STAKE IN WAVELINK TECHNOLOGIES

DATE: January 3, 1994 15:14 EST WORD COUNT: 575

...manufactures, markets and supports a
line of hardware and software products and provides services utilizing **radio frequency** identification (RFID) technology. RFID technology permits the remote identification of and **communication** with trucks, automobiles, railcars, intermodal **containers** and other transportation equipment through the use of radio signals. In addition, Amtech previously announced...

13/3,K/26 (Item 6 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0774094 NY040
AMTECH UCOM CONSORTIUM AWARDED CONTRACT TO PROVIDE ELECTRONIC TOLL COLLECTION SYSTEM FOR THAILAND

DATE: December 27, 1994 14:41 EST WORD COUNT: 489

...manufactures, markets and supports a
line of hardware and software products and provides services utilizing **radio frequency** identification (RFID) technology. RFID technology permits the remote identification of and **communication** with trucks, automobiles, railcars, intermodal **containers** and other transportation equipment through the use of radio signals. Amtech products are currently marketed...

13/3,K/27 (Item 7 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0768836 NY052
AMTECH CORPORATION INTERNATIONAL ACTIVITY GROWS WITH LONDON ABSOLUTE POSITIONING REFERENCE SYSTEM (APRS) CONTRACT

DATE: December 7, 1994 11:39 EST WORD COUNT: 510

...manufactures, markets and supports a
line of hardware and software products and provides services utilizing **radio frequency** identification (RFID) technology. RFID technology permits the remote identification of and **communication** with trucks, automobiles, railcars, intermodal **containers** and other transportation equipment through the use of radio signals. Amtech products are currently marketed...

13/3,K/28 (Item 8 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0748530 NY076

FEDERAL COURT RULES IN FAVOR OF AMTECH IN PATENT CASE

DATE: October 6, 1994 13:08 EDT WORD COUNT: 251

...manufactures, markets and supports a
line of hardware and software products and provides services utilizing **radio frequency** identification (RFID) technology. RFID technology permits the remote identification of and **communication** with trucks, automobiles, railcars, intermodal **containers** and other transportation equipment through the use of radio signals. Amtech products are currently marketed...

13/3,K/29 (Item 9 from file: 813)
DIALOG(R)File 813:PR Newswire

0743047 NY102
AMTECH AWARDED CONTRACT TO PROVIDE ELECTRONIC TOLL COLLECTION FOR THE KANSAS TURNPIKE AUTHORITY

DATE: September 19, 1994 17:24 EDT WORD COUNT: 554

...manufactures, markets and supports a
line of hardware and software products and provides services utilizing **radio frequency** identification (RFID) technology. RFID technology permits the remote identification of and **communication** with trucks, automobiles, railcars, intermodal **containers** and other transportation equipment through the use of radio signals. Amtech products are currently marketed...

13/3,K/30 (Item 10 from file: 813)
DIALOG(R)File 813:PR Newswire

0729240 NY060
AMTECH ANNOUNCES SECOND QUARTER RESULTS, DIVIDEND, MAJOR ELECTRONIC TOLL COLLECTION CONTRACT, R&D INITIATIVES, 1994 OUTLOOK AND STOCK REPURCHASE PROGRAM

DATE: August 1, 1994 12:17 EDT WORD COUNT: 1,375

...manufactures, markets and supports a
line of hardware and software products and provides services utilizing **radio frequency** electronic identification (RFID) technology. RFID technology permits the remote identification of and **communication** with trucks, automobiles, railcars, intermodal **containers** and other transportation equipment through the use of radio signals. Amtech products are currently marketed...

13/3,K/31 (Item 11 from file: 813)
DIALOG(R)File 813:PR Newswire

0698108 NY045
AMTECH CORPORATION DECLARES QUARTERLY CASH DIVIDEND

DATE: April 25, 1994 09:57 EDT WORD COUNT: 132

...manufactures, markets and supports a
line of hardware and software products and provides services utilizing **radio frequency** electronic identification technology. **Radio frequency**
electronic identification (RFID) technology permits the remote
identification of and **communication** with trucks, automobiles, railcars,
intermodal **containers** and other transportation equipment through the
use of radio signals. Amtech products are currently marketed...

13/3,K/32 (Item 1 from file: 444)
DIALOG(R)File 444:New England Journal of Med.

00119357

Effects of Different Forms of Dietary Hydrogenated Fats on Serum Lipoprotein Cholesterol Levels (Original Articles)

Lichtenstein, Alice H.; Ausman, Lynne M.; Jalbert, Susan M.; Schaefer, Ernst J.
The New England Journal of Medicine
Jun 24, 1999; 340 (25),pp 1933-1940
LINE COUNT: 00333 WORD COUNT: 04603

TEXT
...site. All food and drink were provided to the subjects in containers
appropriate for either **microwave** or conventional ovens, obviating the
need to **transfer** the food from the **containers** before consumption. The
subjects were required to consume all that was provided to them and...

```
Set     Items   Description
S1       1371   AU=(WALKER J? OR WALKER, J?)
S2    1471740   WIRELESS? OR RF OR RADIO()(FREQUENC? OR WAVE?) OR INFRARED
               OR RADIOFREQUENC? OR RADIOWAVE? OR CABLELESS OR CABLEFREE OR
              (WIRE OR CABLE)()(LESS? OR FREE) OR MICROWAVE?
S3    3686931   PRESCRIPTION? OR RX OR R()X OR DRUG? ? OR MEDICATION? OR M-
              EDICINE? OR MEDICAL
S4     929072   CONTAINER? OR BOTTLE? OR JAR OR VIAL? ?
S5   10416277   TRANSFER? OR TRANSMI? OR FORWARD OR SEND? OR SENT OR COMMU-
              NICAT? OR SIGNAL?
S6      17219   S3(3N)S4
S7         25   S6(15N)S2
S8          6   S6(S)S5(S)S2
S9      14960   S4(5N)S5
S10       144   S9(7N)S2
S11       173   S7 OR S8 OR S10
S12       122   S11 NOT PY>2000
S13       103   S12 NOT PD=20000310:20030703
S14        83   RD (unique items)
? show file
File   9:Business & Industry(R) Jul/1994-2003/Jul 02
         (c) 2003 Resp. DB Svcs.
File  15:ABI/Inform(R) 1971-2003/Jul 02
         (c) 2003 ProQuest Info&Learning
File  16:Gale Group PROMT(R) 1990-2003/Jul 03
         (c) 2003 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2003/Jul 01
         (c)2003 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2003/Jul 02
         (c) 2003 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2003/Jul 01
         (c) 2003 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2003/Jul 02
         (c) 2003 The Gale Group
File 149:TGG Health&Wellness DB(SM) 1976-2003/Jun W4
         (c) 2003 The Gale Group
```

14/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2003 Resp. DB Svcs. All rts. reserv.

2624906 Supplier Number: 02624906 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Coke Studying Interactive Vending Machines
(Coca-Cola Co (Atlanta) is developing technology to let bottlers adjust price at vending machines to cut cost at low-volume periods and boost it during high-volume periods; users might be able to charge drinks)
Atlanta Journal & Constitution , p N/A
October 28, 1999
DOCUMENT TYPE: Regional Newspaper ISSN: 0093-1179 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 317

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...to do just that.

For months, researchers at the Atlanta-based company have been studying **wireless** technology that would allow **bottlers** to " **communicate** " with vending machines to lower prices during periods of low sales and then return prices...

14/3,K/2 (Item 2 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2003 Resp. DB Svcs. All rts. reserv.

1751407 Supplier Number: 01751407 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Seagram counters retail theft with source tagging
(Seagram Americas is using radio-frequency labels supplied by Checkpoint Systems on 750 mL bottles of Crown Royal to reduce pilferage)
Food & Drug Packaging, v 61, n 2, p 12
February 1997
DOCUMENT TYPE: Journal ISSN: 1075-3028 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 285

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...again test the benefits, costs and potential obstacles of source tagging.

Beginning in February, 750ml **bottles** of Crown Royal -- **sent** to a single, unidentified retailer -- will incorporate **radio - frequency** (RF) labels from Checkpoint Systems. Used in conjunction with a total electronic surveillance system, source...

14/3,K/3 (Item 3 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2003 Resp. DB Svcs. All rts. reserv.

1403172 Supplier Number: 01403172
ST Electronic & Engineering wins SD1r3.6m PSA deal
(ST Electronic & Engineering gets Sin$3.6 mil contract to supply the Port of Singapore Authority with trunked radio communications system)

Singapore Business Times, p N/A
February 07, 1996
DOCUMENT TYPE: Business Newspaper (Singapore)
LANGUAGE: English RECORD TYPE: Abstract

ABSTRACT:
...new system will be based around the MULTI ST2200 digital switching system, and will use **radio frequency** channel to enable personnel at the **container** terminal to **communicate** with the control centre. The system will have capacity to handle up to 5k calls...

14/3,K/4 (Item 4 from file: 9)
DIALOG(R)File 9:Business & Industry(R)

1009556 Supplier Number: 01009556 (USE FORMAT 7 OR 9 FOR FULLTEXT)
PA Consulting Releases Dutch Telecom Report 03/07/94
(A PA Consulting Group report shows that the Netherlands lags behind the rest of Europe in adopting mobile communications)
Newsbytes News Network, p N/A
March 07, 1994
DOCUMENT TYPE: Journal (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 369

(USE FORMAT 7 OR 9 FOR FULLTEXT)

ABSTRACT:
...law by the late spring.

Copies of the report, entitled "Mobicom study -- the importance of **wireless communications** in the Netherlands, **bottlenecks** preventing mobile takeup and possible solutions," are available from the Dutch Ministry of Economic Affairs...

TEXT:
...the late spring, Newsbytes understands.

Copies of the report, entitled "Mobicom study -- the importance of **wireless communications** in the Netherlands, **bottlenecks** preventing mobile takeup and possible solutions," are available from the Dutch Ministry of Economic Affairs...

14/3,K/5 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01995901 51021187
Materials handling expo uplifts productivity
Anonymous
Packaging Digest v37n3 PP: 84-86 Mar 2000
ISSN: 0030-9117 JRNL CODE: PKD

...ABSTRACT: control, including automated handling systems, automatic storage and retrieval systems, 3. automatic identification devices and **radio frequency communication** , 4. material storage, such as **containers** , racks and shelving, and 5. material movement, including conveyors, monorails and vehicles. A comprehensive educational...

14/3,K/6 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01851390 05-02382
Card technologies
Anonymous
Automatic I.D. News v15n6 (1999 Buyer's Guide Supplement) PP: 10-12 1999
ISSN: 0890-9768 JRNL CODE: AIN
WORD COUNT: 986

...TEXT: are usually read through surface contact. Contactless smart cards are read and written remotely by **radio frequency signals** for toll collection, **container** contents and vehicle identification. The distinction between contactless smart cards and certain types of radio...

14/3,K/7 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01794935 04-45926
Beeper brokers
Upbin, Bruce
Forbes v163n7 PP: 148-149 Apr 5, 1999
ISSN: 0015-6914 JRNL CODE: FBR
WORD COUNT: 352

...ABSTRACT: so-called smart phone - and an account with a brokerage that supports radio trading. But, **wireless** trading will not protect you from **communication bottlenecks** if the market crashes and Web sites get jammed up. ...

14/3,K/8 (Item 4 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01601628 02-52617
From steer to eternity
Buchanan, Leigh
Inc. v20n4 (Inc. Technology Supplement) PP: 66-77 Mar 17, 1998
ISSN: 0162-8968 JRNL CODE: INO
WORD COUNT: 3552

...TEXT: spreadsheet, along with other information the company has about the animal. The spreadsheet is then **sent** on a disk to Schwertner's business partners-in this case, the companies he supplies. In the new model, all of Schwertner's data will be **transmitted** by modem to a database running at a third-party vendor or an industry association...

...over time by information collected by a series of owners using a variety of tools: **radio - frequency** identification (RFID) readers, handheld and laptop computers, electronic weigh scales, scanners that read **drug - container** labels-even a gadget that performs ultrasounds to determine how much fat an animal carries...

14/3,K/9 (Item 5 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01520584 01-71572
Operators squelching shrinkage with cutting-edge liquor-management systems
Rubinstein, Ed
Nation's Restaurant News v31n40 PP: 94 Oct 6, 1997
ISSN: 0028-0518 JRNL CODE: NRN
WORD COUNT: 1038

...ABSTRACT: downtown locations. The Barmate system comprises wireless pour spouts that are fitted on each liquor **bottle** , a **radio - frequency** receiver, which **transmits** amounts poured to an IBM-compatible PC with a touch screen monitor, Barmate software and...
...TEXT: liquor brands.

The Barmate system comprises wireless pour spouts that are fitted on each liquor **bottle** ; a **radio - frequency** receiver, which **transmits** amounts poured to an IBM-compatible PC with a touch screen monitor Barmate software; and...

14/3,K/10 (Item 6 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01318738 99-68134
Trade promotion
Anonymous
Business America v117n9 PP: 30-46+ Sep 1996
ISSN: 0190-6275 JRNL CODE: CT
WORD COUNT: 10206

...TEXT: The TPCC agencies supported U.S. companies in major project competitions related to airport and **container** port expansions and **wireless communications** services licenses and, in addition, worked closely with U.S. companies to address key commercial...

14/3,K/11 (Item 7 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01278676 99-28072
Sears opens automated shoe center
Ross, Julie Ritzer
Stores v77n12 PP: 48-49 Dec 1995
ISSN: 0039-1867 JRNL CODE: STR
WORD COUNT: 994

...TEXT: quantities should be picked. Barcoded labels affixed to the cases will be scanned as the **containers** are collected, and the data **transmitted** via **radio frequency** (**RF**) devices to a Hewlett-Packard host computer in the warehouse office.

Open cases will then...

14/3,K/12 (Item 8 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

01162146 98-11541
Wireless unclogs Pepsi's distribution bottleneck, improves merchandising
Anonymous
Systems Management 3X/400 v24n3 PP: 22-23 Mar 1996
ISSN: 1055-7768 JRNL CODE: SSW

ABSTRACT: Pepsi-Cola Allied **Bottlers** has put **wireless communications** technology to the test. The **bottler** implemented Fast Access, a **wireless** sales order-entry system for its route sales operations. The system is directed at beverage...

14/3,K/13 (Item 9 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01101305 97-50699
Mobile outlook brightens
Blodgett, Mindy
Computerworld v29n42 PP: 14 Oct 16, 1995
ISSN: 0010-4841 JRNL CODE: COW
WORD COUNT: 470

...TEXT: maker Norand Corp., middleware maker Racotek, Inc. and RAM Mobile Data USA L.P., a **wireless** data **communications** network provider.

Pepsi-Cola Allied **Bottlers** in Hartford, Conn., recently selected Fast Access to improve its distribution, according to Paul Contois...

14/3,K/14 (Item 10 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00919681 95-69073
Chrysler switches to a "zone" defense
Anonymous
Manufacturing Systems v12n9 PP: 46 Sep 1994
ISSN: 0748-948X JRNL CODE: MFS
WORD COUNT: 384

...TEXT: warehousing, they assist with picking, receiving, shipping, cycle counting and put-away applications. For transportation, **RF** helps track shipments, monitor cargo/ **container transfers** and create bills of lading.

According to Phillips, an RF data collection system can also...

14/3,K/15 (Item 11 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00857353 95-06745
AT&T challenges Ameritech in opening local competition
DiLorenzo, Jim
Telephony v226n16 PP: 6 Apr 18, 1994

ISSN: 0040-2656 JRNL CODE: TPH
WORD COUNT: 616

...TEXT: plan already adequately addresses most of these concerns, a company spokesman said. Technologies such as **wireless communications** have made the **bottleneck** obsolete, he said. The existence of innovative competitors such as MFS Communications and Teleport Communications...

14/3,K/16 (Item 12 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00658238 93-07459
Marketing Product Innovations to the Elderly: Understanding the Barriers to Adoption
Lunsford, Dale A.; Burnett, Melissa S.
Journal of Consumer Marketing v9n4 PP: 53-63 Fall 1992
ISSN: 0736-3761 JRNL CODE: JCK
WORD COUNT: 4569

...TEXT: capacity, touch sensitivity, and muscle strength.(14) Products that have frustrated the elderly include touchpad **microwave** ovens, child-proof **drug containers** , and dishwashers that require bending to load and unload.

General Motors has addressed these physiological...

14/3,K/17 (Item 13 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00158725 82-00286
Opening Up the Local Data Distribution Bottleneck
Gillum, Daniel L.
Telephony v201n21 PP: 22-23, 27, 30 Nov 16, 1981
ISSN: 0040-2656 JRNL CODE: TPH

ABSTRACT: Narrow band frequency modulation (FM) **radio frequency** data **transmission** is an alternative to current **bottlenecks** in local data distribution; it offers digital local area distribution of electronic mail between sites...

14/3,K/18 (Item 14 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00093729 79-08730
Food Packagers Ride the Microwave Surge
Brock, John J.; Pomerantz, Fern S.
Advertising Age v50n19 PP: S-10, S-14, S-18 April 30, 1979
ISSN: 0001-8899 JRNL CODE: ADA

...ABSTRACT: speed tends to negate the advantages of using frozen and other convenience foods, and 2. **transfering** frozen foods from aluminum **containers** to **microwave** compatible dishes is a nuisance. The aluminum foil indusry is conducting a feasibility study regarding...

14/3,K/19 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

06881000 Supplier Number: 57545003 (USE FORMAT 7 FOR FULLTEXT)
Updated wireless data collection software.(Brief Article)
Modern Materials Handling, v54, n12, p135
Nov 30, 1999
Language: English Record Type: Fulltext
Article Type: Brief Article
Document Type: Magazine/Journal; Trade
Word Count: 59

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
New software helps eliminate **bottlenecks** in creating data **communication** protocol for **radio frequency** systems. With a graphical user interface, this upgraded software package can be used to simply...

14/3,K/20 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

06415862 Supplier Number: 54898702 (USE FORMAT 7 FOR FULLTEXT)
Bar Code.
Automatic I.D. News, v15, n7, ps6
June, 1999
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 6125

... are usually read through surface contact. Contactless smart cards are read and written remotely by **radio frequency signals** for toll collection, **container** contents and vehicle identification. The distinction between contactless smart cards and certain types of radio...

14/3,K/21 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

06287475 Supplier Number: 54445671 (USE FORMAT 7 FOR FULLTEXT)
American Millennium Corporation, Inc. Announces Addition to Management Team.
Business Wire, p1394
April 22, 1999
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 527

... gas sites, as well as being able to monitor multiple functions aboard railcars and intermodal **containers** . The **wireless** data is **transmitted** and received via satellites and can then be posted to the Internet or sent to...

14/3,K/22 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

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06231430 Supplier Number: 54263639 (USE FORMAT 7 FOR FULLTEXT)
Outsourcing: Reverse logistics push into high gear.
Discount Store News, v38, n6, p8(1)
March 22, 1999
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1760

... quantities of footwear should be picked. Bar codes affixed to the cases are scanned as **containers** are collected; data is then **transmitted** through **radio - frequency** devices to a host computer in the warehouse office.
Then open cases are positioned on...

14/3,K/23 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05316424 Supplier Number: 48091723
Hanna R&D upgrades product development.
Leaversuch, Robert D.
Modern Plastics, p36
Nov, 1997
Language: English Record Type: Abstract
Document Type: Magazine/Journal; Trade

ABSTRACT:
...center features R&D tools such as a blow molding machine used for prototyping barrier **bottles** , and a Fourier **transfer - infrared** spectroscopy unit. ...

14/3,K/24 (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05159214 Supplier Number: 47874241 (USE FORMAT 7 FOR FULLTEXT)
Port to port, dock to dock
Automatic I.D. News, p38
August, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1343

... All container orders being loaded onto a vessel are sent to GPA personnel via the **wireless** data **communication** system. Whether a **container** is being premounted, demounted, **transferred** or being taken through governmental inspections, all the orders are tracked in real time. Similarly...where their freight is at all times.'
In addition to sorting through endless stacks of **containers** , the **wireless** data **communication** system has allowed the port to keep its competitive edge.
'With economic conditions impacting revenue...

14/3,K/25 (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04903786 Supplier Number: 47211049 (USE FORMAT 7 FOR FULLTEXT)
Smart Cards
Automatic I.D. News, p16
March 15, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 237

... are usually read through surface contact. Contactless smart cards are read and written remotely by **radio frequency signals** for toll collection, **container** contents and vehicle identification. The distinction between contactless smart cards and certain types of radio...

14/3,K/26 (Item 8 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04762232 Supplier Number: 47010502 (USE FORMAT 7 FOR FULLTEXT)
Cooking techniques make waves
Napleton, Lewis
Packaging Week, p18
Jan 2, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1429

... especially useful when cooking cakes, composite meals, meat joints and vegetables.
Just as with food, **containers** and packaging **transmit** , reflect and absorb **microwaves** . The degree to which they do this is often termed 'transparency.'
Certain types of ceramics...

14/3,K/27 (Item 9 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04654657 Supplier Number: 46847440 (USE FORMAT 7 FOR FULLTEXT)
Medical tray former/sealer creates a strong, leakproof, transparent bond
Food & Drug Packaging, p78
Nov, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 98

... better die protection and consistency with no tubes to replace. The machine uses low frequency **radio waves** to seal **medical containers** , making them leakproof. The produced is not only transparent, but it is also as strong...

14/3,K/28 (Item 10 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04501783 Supplier Number: 46611492

SingTech unit gets wireless network job
Straits Times, p38
August 7, 1996
Language: English Record Type: Abstract
Document Type: Magazine/Journal; Trade

ABSTRACT:
...a deal with telecommunications service provider ST Mobile Data (STMD) for an islandwide two-way **wireless** data **communication** network for its fleet of **container** trucks. The **communication** network will enable the freight forwarder to track, manage and communicate with its container trucks...

14/3,K/29 (Item 11 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04382438 Supplier Number: 46427056 (USE FORMAT 7 FOR FULLTEXT)
Real-time data management triples warehouse productivity
Modern Materials Handling, pS6
June, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 584

... warehouse.
A lift truck driver then scans the newly printed label or the UCC serial **container** label. That data is **sent** to the WMS by the **RF** system, which then directs the driver to a general storage area for putaway.
In that...

14/3,K/30 (Item 12 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04365496 Supplier Number: 46402568
Wireless Data: The Pepsi Challenge
Data Communications, p54
May 21, 1996
Language: English Record Type: Abstract
Document Type: Magazine/Journal; Trade

PRODUCT NAMES: 2086000 (Canned & **Bottled** Soft Drinks); 4811200 (Data **Transmission** Services); 3661257 (LAN/WAN Adapters); 3662116 (**Wireless** Local Area Networks); 7379000 (Computer Services NEC); 7372000 (Computer Software)

14/3,K/31 (Item 13 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04133718 Supplier Number: 46032146 (USE FORMAT 7 FOR FULLTEXT)
Pepsi-Cola accesses fast solution
Wireless World, p14
Jan 1, 1996
Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade
Word Count: 191

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...Corporation, Cedar Rapids, IA; Racotek, Minneapolis; and RAM Mobile Data, Woodbridge, NJ; have provided a **wireless** data **communications** solution to Pepsi-Cola Allied **Bottlers** , Latham, NY. Pepsi-Cola salespeople in 35 counties across Connecticut, Massachusetts and New York state...

14/3,K/32 (Item 14 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04042247 Supplier Number: 45878258 (USE FORMAT 7 FOR FULLTEXT)
Show spawns products, deals; Wynd, Telepartner update wares; initiative unveiled
PC Week, p132
Oct 23, 1995
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; General Trade
Word Count: 388

... Corp., Racotek Inc., and RAM Mobile Data Inc. announced a joint initiative to provide a **wireless** data **communications** solution to Pepsi-Cola Allied **Bottlers** Inc.
The initiative, called Fast Access, is a wireless sales order-entry system that combines...

14/3,K/33 (Item 15 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

03901007 Supplier Number: 45621309 (USE FORMAT 7 FOR FULLTEXT)
AMTECH ANNOUNCES ACQUISITION OF CARDKEY SYSTEMS
PR Newswire, pN/A
June 21, 1995
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 707

... of hardware and software products and provides services utilizing radio frequency technology. The Company uses **radio frequency** identification (RFID) technology for remote identification and **communication** with vehicles, intermodal **containers** , and other transportation equipment through the use of radio signals. Amtech is xpanding its product...

14/3,K/34 (Item 16 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

03737333 Supplier Number: 45301682 (USE FORMAT 7 FOR FULLTEXT)
Technology turns the local corner drugstore into national pharmacy
Automatic I.D. News, p1
Feb, 1995

Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 897

... drugstore you have to get to," said Alexander.
At one of the first stations, both **RF** /DC technology and bar codes are mixed at a manual picking area for low turnover pharmaceuticals. A quick scan of a certain prescription's bar code immediately **transfers** the data to a host computer which then **sends** back instructions, via **RF** , on where to find the drug in the area's many rows of high shelves. Staff members with portable LXE **RF** /DC hand held terminals see the directions on the display screen. Each shelf has two bar codes per item: one for shelf location; and one for each **container** 's **drug** . Two other filling stations feature a carousel dispenser that utilizes bar codes and an automatic...

14/3,K/35 (Item 17 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

03551620 Supplier Number: 44987097 (USE FORMAT 7 FOR FULLTEXT)
Star Industrial Builds U.S. Business Via Distributors, Private Label Pacts
HFD-The Weekly Home Furnishings Newspaper, v0, n0, p72
Sept 12, 1994
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 470

... up of more than 500 colorful plastic SKUs that include organizational and food storage, drinkware, **microwave** cookware, kitchenwares, furniture, office equipment, bathroom and household utensils, gardening items, lighting fixtures and **medicine bottles** .
Recognized by the 'Red A' label, the company's products have placed in mass merchants...

14/3,K/36 (Item 18 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

03007211 Supplier Number: 44081586 (USE FORMAT 7 FOR FULLTEXT)
Ferro Corp. releases new polyolefin alloys
Rubber & Plastics News II, p7
Sept 6, 1993
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 175

... during manufacturing or incineration.
RxLOY FFS is available for intravenous solution containers, blood bags, prefilled **containers** , fluid administration, specialty **drug** delivery and other critical care applications.
RxLOY **RF** is a weldable film-grade resin with applications in flexible containers, urine collection bags, fluid...

14/3,K/37 (Item 19 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

01300509 Supplier Number: 41523606 (USE FORMAT 7 FOR FULLTEXT)
GLASS MAKES COMEBACK: Environment, new markets play significant roles
Food & Drug Packaging, p22
Sept, 1990
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1885

... on a glass container might do for their products.
In January 1989, GPI developed a **microwave** symbol for food packed in glass **containers** . The symbol graphically **communicates** the microwavability message to the consumer (see Figure 2, this page).
Adding convenience to microwavability...

14/3,K/38 (Item 20 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

01063999 Supplier Number: 41180131
SHIPPING INDUSTRY PLAYS TAG
InformationWeek, p59
Feb 19, 1990
Language: English Record Type: Abstract
Document Type: Magazine/Journal; Tabloid; General Trade

ABSTRACT:
...The top-pick operator would normally have to write down the identification number for each **container** . But today, a small **transmitter** on the **container** just **sent** that information via **radio waves** to a digital receiver located on the top-pick.
The technology in use, dubbed the...

14/3,K/39 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

10843880 SUPPLIER NUMBER: 53964929 (USE FORMAT 7 OR 9 FOR FULL TEXT)
NEW PRODUCTS.
Communications News, 36, 2, 90(1)
Feb, 1999
ISSN: 0010-3632 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 2941 LINE COUNT: 00253

... information
Stand by your MAN
USE FAST ETHERNET to cut costs, installation delays, and throughput **bottlenecks** . WinNet Metropolitan **Communications** Systems (MCS), Inc. offers **wireless** connectivity for buildings separated by up to six miles at Fast Ethernet wire speed (100...

14/3,K/40 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

10259027 SUPPLIER NUMBER: 20796814 (USE FORMAT 7 OR 9 FOR FULL TEXT)
ASICs a better fit for wideband wireless. (application-specific integrated circuits) (Wireless Technology)

Lindsey, Stacy
Computer Dealer News, v14, n19, p31(1)
May 19, 1998
ISSN: 1184-2369 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 661 LINE COUNT: 00060

... benefits in performance and size, while remaining cost-competitive for user applications.

Today's ubiquitous **wireless transmission** component, the DSP, is a **bottleneck** to wideband data and will not cost-effectively support these wideband requirements to an adequate...

14/3,K/41 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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10239413 SUPPLIER NUMBER: 20760629 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Adapting A Packaged Goods Strategy In HMR.(home meal replacement)
Nation's Restaurant News, v32, n20, p32(1)
May 18, 1998
ISSN: 0028-0518 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1137 LINE COUNT: 00094

... foods. One frequent problem: leaking containers. Another common complaint is that containers can't be **microwaved** , so food needs to be **transferred** to some other **container** for heating.

Consumers' perception of commonly available take-out packaging offers operators a roadmap for...

14/3,K/42 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

09862052 SUPPLIER NUMBER: 19972342 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Torrey Science Corporation - communications anywhere, anytime.(Electronics Industry Recognition Awards)
San Diego Business Journal, v18, n40, pB7(1)
Oct 6, 1997
ISSN: 8750-6890 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 725 LINE COUNT: 00067

... new class of small aperture fixed-site satellite communications terminals for use with geostationary satellites; **radio frequency** tags for **wireless** identification of packages and **containers** : and underwater acoustic **communications** and high resolution active sonar.

The Company is uniquely positioned for near-term extraordinary growth ...

14/3,K/43 (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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09844178 SUPPLIER NUMBER: 19948105 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Maersk Data targets carriers.
American Shipper, v39, n9, p47(1)
Sep, 1997
ISSN: 0160-225X LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 704 LINE COUNT: 00065

TEXT:
Joint venture with Cable & **Wireless** to provide information systems, **communications** to **container** shipping industry.
... has joined Britain's Cable & Wireless in a venture to provide global information technology and **communications** services to the **container** -shipping industry and other businesses.
Named Cable & **Wireless** Nautec Ltd., the 50/50 joint venture between Maersk Data and Cable & Wireless was launched...

...several shipping customers. The new venture is designed to combine Maersk Data's transport and **container** shipping experience and Cable & **Wireless** ' **communications** expertise.
Raf Jezierski, marketing and business development director of Cable & Wireless Nautec, headquartered in Guilford...

14/3,K/44 (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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09838207 SUPPLIER NUMBER: 19696915 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Using wireless LANS to monitor medication. (local area networks)
Champness, Angela
EDN, v42, n10A, p14(1)
May 14, 1997
ISSN: 0012-7515 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1651 LINE COUNT: 00134

... hospitals range from single-story campus-like facilities to single, high-rise buildings.
Wireless LAN
Wireless LAN with small, portable terminals equipped with bar code readers provide the kind of connectivity...

...is dispensed from the pharmacy, the care giver simply reads the barcoded label on the **drug** 's **container** into the terminal, which **transmits** the data to the server. When the drug is later administered to the patient, the care giver reads the patient's barcoded identification into the terminal, which then **transmits** it to the server In this way, a complete record of which care giver took...

14/3,K/45 (Item 7 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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08597239 SUPPLIER NUMBER: 18124826 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Wireless communications increase field productivity.
Electric Light & Power, v74, n3, p15(1)
March, 1996
ISSN: 0013-4120 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1032 LINE COUNT: 00088

... L's line specialists of the benefits the two-way wireless-data solution offers. The **wireless** -data solution cut down **communication bottlenecks** enabling line specialists with MDTs to work tickets three-to-one over line specialists without...

14/3,K/46 (Item 8 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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08222471 SUPPLIER NUMBER: 17414246 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Show spawns products, deals: Wynd, Telepartner update wares; initiative unveiled. (Mobile Outlook Conference and Exposition mobile computing show, Wynd Communications. Telepartner International)(Product Announcement)
Moore, Mark
PC Week, v12, n42, p132(1)
Oct 23, 1995
DOCUMENT TYPE: Product Announcement ISSN: 0740-1604 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 423 LINE COUNT: 00038

...ABSTRACT: new products while Norand and RAM Mobile Data announced a joint effort to create a **wireless** data **communications** solution for Pepsi-Cola Allied **Bottlers** . Wynd **Communications** unveiled a new version of its WyndMail software for HP's OmniGo handheld PC. WyndMail...
... Corp., Racotek Inc., and RAM Mobile Data Inc. announced a joint initiative to provide a **wireless** data **communications** solution to Pepsi-Cola Allied **Bottlers** Inc.
The initiative, called Fast Access, is a wireless sales order-entry system that combines...

14/3,K/47 (Item 9 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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08200568 SUPPLIER NUMBER: 17608757 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Want to reduce material costs? Take a look at ICM. (injection compression molding)
Smock, Doug
Plastics World, v53, n9, p31(7)
Sep, 1995
ISSN: 0032-1273 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3600 LINE COUNT: 00293

... ICM.
Other potential uses pointed out by George Galic include acoustic loudspeaker cones, gear wheels, **microwave containers** and **medical** diagnostic equipment. "All of the above product configurations are basically symmetrical and most can be...

14/3,K/48 (Item 10 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07943126 SUPPLIER NUMBER: 17095722 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Amtech to participate in joint study of Japanese Electronic Toll Collection (ETC) system.
Business Wire, p6201311
June 20, 1995
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 477 LINE COUNT: 00045

... of hardware and software products and provides services utilizing radio frequency technology. The Company uses **radio frequency** identification (RFID) technology for remote identification and **communication** with vehicles, intermodal **containers** , and other transportation equipment through the use of radio signals. Other RFID products include low...

14/3,K/49 (Item 11 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07850612 SUPPLIER NUMBER: 16956246 (USE FORMAT 7 OR 9 FOR FULL TEXT)
AMTECH CORPORATION REPORTS FIRST QUARTER RESULTS AND THE FORMATION OF A JOINT VENTURE IN THE PEOPLE'S REPUBLIC OF CHINA.
Business Wire, p5121098
May 12, 1995
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 861 LINE COUNT: 00123

... of hardware and software products and provides services utilizing radio frequency technology. The Company uses **radio frequency** identification (RFID) technology for remote identification and **communication** with vehicles, intermodal **containers** , and other transportation equipment through the use of radio signals. Other RFID products include low...

14/3,K/50 (Item 12 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

07529011 SUPPLIER NUMBER: 15821298 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Star Industrial builds U.S. business via distributors, private label pacts. (plastic products)
Paul, Cynthia A.
HFD-The Weekly Home Furnishings Newspaper, v68, n37, p72(1)
Sept 12, 1994
ISSN: 0746-7885 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 488 LINE COUNT: 00037

... up of more than 500 colorful plastic SKUs that include organizational and food storage, drinkware, **microwave** cookware, kitchenwares, furniture, office equipment, bathroom and household utensils, gardening items, lighting fixtures and **medicine bottles** .
Recognized by the "Red A" label, the company's products have placed in mass merchants...

14/3,K/51 (Item 13 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

07257799 SUPPLIER NUMBER: 15178557 (USE FORMAT 7 OR 9 FOR FULL TEXT)
How more data + less handling = smart warehousing. (Conbraco Industries Inc.) (includes related articles on stock-keeping units and on radio frequency data communications and bar codes) (Warehouse of the Month)
Forger, Gary
Modern Materials Handling, v49, n4, p42(4)
April, 1994

ISSN: 0026-8038 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1703 LINE COUNT: 00136

... computer.
To begin put away, the lift truck operator scans the bar code on a **container** , and **transmits** the information by **RF** to the local AS/400, which determines if the load goes to reserve storage or...

14/3,K/52 (Item 14 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07236220 SUPPLIER NUMBER: 15066209 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Oregon Department of Forestry connects LANs using Motorola's Altair VistaPoint.
Stern, Theodore J.
Telecommunications, v28, n2, p57(1)
Feb, 1994
ISSN: 0278-4831 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 934 LINE COUNT: 00073

ABSTRACT: The Oregon State Department of Forestry is using a 18-GHz Motorola Altair VistaPoint LR **wireless** Ethernet bridge to eliminate a data **bottleneck** between the agency's **communications** headquarters and its central warehouse. The agency previously received orders for supplies, printed the orders...

14/3,K/53 (Item 15 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

06759818 SUPPLIER NUMBER: 14501083 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Global tracking. (global tracking and routing systems for land and sea)
American Shipper, v35, n9, p48-K(4)
Sept, 1993
ISSN: 0160-225X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2254 LINE COUNT: 00178

The common denominator could be **radio - frequency** identification (RFID), a technology that uses radio **signals** to monitor equipment affixed to **containers** , trailers, chassis and railcars.
Use of **radio - frequency** technology for automatic equipment identification (AEI) is common in warehouses, truck terminals and other places...

14/3,K/54 (Item 16 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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06128622 SUPPLIER NUMBER: 12727337 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Automatic resin & color sorting proves a boon to recyclers. (Technology News: Recycling)
Schut, Jan H.
Plastics Technology, v38, n10, p15(3)
Sept, 1992
ISSN: 0032-1257 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1887 LINE COUNT: 00148

... Polysort, made by AIC (with conveyor systems from Chamberlain MRC of Hunt Valley, Md.) uses **infrared** spectrographic analysis of light **transmitted** through singulated **bottles** , allowing it to identify bottles or even natural HDPE bottles with motor oil contaminants in...

14/3,K/55 (Item 17 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

05792091 SUPPLIER NUMBER: 11866708 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The M&A Rosters; third quarter 1991.
Mergers & Acquisitions, 26, n4, 65(65)
Jan-Feb, 1992
ISSN: 0026-0010 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 104170 LINE COUNT: 10201

... Molded Products Inc. is a unit. Roanoke Industries is a privately held manufacturer of plastic **containers** and carts. Effective Date: 9-13-91
Galt Industries Inc. acq. Moll Tool & Plastics Corp... stated that it would recover a portion of its outlay through liquidation of assets not **transferred** to the assuming bank. The board of directors of the FDIC had approved the transaction...and service the Wynesville Southeastern customers from its First Citizens Waynesville office and deposits were **transferred** there on September 23, 1991. Effective Date: 9-23-91
First Commerce Corp. acq. Pontchartrain...

14/3,K/56 (Item 18 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

05203295 SUPPLIER NUMBER: 10933875 (USE FORMAT 7 OR 9 FOR FULL TEXT)
World's 1st microwave sterilization system.
Morris, Charles E.
Food Engineering International, v16, n3, p63(3)
June, 1991
ISSN: 0148-4478 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1710 LINE COUNT: 00141

... sealed containers are code-dated and pass beneath an infra-red camera which detects and **transmits container** temperature to PLCs controlling the **microwave** generators. The PLCs will then adjust microwave power individually at each waveguide to compesnate for...

14/3,K/57 (Item 19 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

05186078 SUPPLIER NUMBER: 10840591 (USE FORMAT 7 OR 9 FOR FULL TEXT)
IEFP '91: technology showcase. (1991 International Exposition for Food Processors) (includes related information) (Processing & Control)
Food Engineering, v63, n5, p106(8)
May, 1991
ISSN: 0193-323X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 3591 LINE COUNT: 00307

... Videojet Excel Series 20 dual-head ink-jet printer for code-dating lidstock;
* a Taptone **container** -seal inspection system.
Wireless
sensor
transmits
real-time
temperature
Stock America unveiled THERMO-DOT, a pill-size wireless sensor for monitoring...

14/3,K/58 (Item 20 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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05173508 SUPPLIER NUMBER: 10809803 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Near IR opens a window to rapid analysis. (near infrared spectroscopy) (includes related article)
Goldner, Howard J.; Kohn, Wolfgang; Griffin, Jennifer
R & D, v33, n6, p56(4)
May, 1991
ISSN: 0746-9179 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1695 LINE COUNT: 00139

... The plant operator can be notified when it is time to stop the reaction and **transfer** the completed product to **containers** for shipment."
"Near **infrared** spectroscopy is terrific news for us in the pulp and paper industry," says Robert Horton...

14/3,K/59 (Item 21 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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05150834 SUPPLIER NUMBER: 10691334 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Matson Terminal to be automated. (Matson Terminal Inc.'s use of radio-frequency signals to track equipment)
Bonney, Joseph
American Shipper, v33, n5, p89(1)
May, 1991
ISSN: 0160-225X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 445 LINE COUNT: 00036

Carrier uses **radio - frequency signals** to track equipment at Honolulu **container** yard. Technology developed with MarAd.
Radio - frequency signals are used to keep track of container equipment in a new system that Matson...

...on the mammoth job of affixing the electronic tags to all of its 20,000 **containers** .
Kane said **radio - frequency signals** have advantages over "optical" bar-code strips. Optical systems, such as those mounted on railcars...

14/3,K/60 (Item 22 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

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05132444 SUPPLIER NUMBER: 10551890 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Breakthrough: world's first commercial microwave-sterilization system. (food sterilizer) (Processing & Control)
Morris, Charles E.
Food Engineering, v63, n3, p98(5)
March, 1991
ISSN: 0193-323X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 2247 LINE COUNT: 00185

... sealed containers are code-dated and pass beneath an infra-red camera which detects and **transmits container** temperature to PLCs controlling the **microwave** generators. The PLCs will then adjust microwave power individually at each wave-guide to compensate...

14/3,K/61 (Item 23 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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04506515 SUPPLIER NUMBER: 08340791 (USE FORMAT 7 OR 9 FOR FULL TEXT)
'MicroAires' and a cheese machine for the home front. (at the 91st International Housewares Exposition, Chicago) (column)
McMath, Robert
Adweek's Marketing Week, v31, n5, p57(1)
Jan 29, 1990
DOCUMENT TYPE: column ISSN: 0892-8274 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 748 LINE COUNT: 00056

... to use microwave-formulated foods, and TV dinners, potpies or other foods, even in aluminum **containers** , can be heated without **transferring** them to **microwaveable** dishes. It costs $89.95.
An unusual item is The Cheese Machine from Progressive International ...

14/3,K/62 (Item 24 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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03329546 SUPPLIER NUMBER: 05144311 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Getting zapped by technology. (using a microwave oven - humor) (column)
Stone, Lois
U.S. News & World Report, v103, p7(1)
Sept 7, 1987
CODEN: XNWRA DOCUMENT TYPE: column ISSN: 0041-5537
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 492 LINE COUNT: 00035

... in, or was it wrapped in aluminum foil or some other metal that would require **transferring** it to a **microwave** -safe **container** ?
Still, no matter what I did, the popcorn tastedpasty, and frozen broccoli, which I once...

14/3,K/63 (Item 25 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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03324334 SUPPLIER NUMBER: 06045671 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Auto-ID takes off in transport. (bar codes, etc.)
Ettorre, John J.
Transportation & Distribution, v28, n11, p22(3)
Oct, 1987
ISSN: 0895-8548 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 2016 LINE COUNT: 00161

... on the seas
On the international scene, ocean carriers are generally far more interested in **radio frequency communications** for tracking **containers** than in bar coding the boxes. "A shipyard is not the best place to be...

14/3,K/64 (Item 26 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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02169426 SUPPLIER NUMBER: 03433380 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Business communications. (special advertising supplement)
Weiszmann, Carol
Industry Week, v222, p59(23)
Sept 17, 1984
CODEN: IWEEA ISSN: 0039-0895 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 5236 LINE COUNT: 00437

... microwave--so satellite earth stations had to be located well outside urban areas choked with **microwave transmissions** . That effectively **bottlenecked** their usefulness, since ground **communications** are so much slower.
But new satellites will be using a higher frequency, allowing them...

14/3,K/65 (Item 27 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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01895022 SUPPLIER NUMBER: 02828677 (USE FORMAT 7 OR 9 FOR FULL TEXT)
FF packaging has versatility, emphasizes convenience.
Quick Frozen Foods, v45, p20(5)
July, 1983
ISSN: 0033-6408 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2487 LINE COUNT: 00197

... microwave oven.
Foil trays can be heated in a conventional oven. When it comes to **microwave** cooking, Stouffer's tells the consumer to **transfer** the food to a **container** made of glass, plastic or paper.
"We are pleased with the boil-in-bag and...

14/3,K/66 (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
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02182126
FR posts improved profits and acquisitions
Interavia Air Letter April 27, 1989 p. 4

ISSN: 0020-5176

PRODUCT NAME: Aircraft Parts; Aircraft Seating; Compressors; Ordnance **Containers** ; Slip Rings; **Communicatns** Antennas ex Brdcst, **Microwave**

14/3,K/67 (Item 2 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)

01222260
And for going from freezer to oven.
CHEMICAL WEEK July 17, 1985 p. 47

... a new line of ovenware made of Dartco Manufacturing's Xydar liquid crystal polymer. The **containers** can be **transferred** directly from the freezer to a **microwave** or conventional oven, to the table and then to the dishwasher. Xydar was developed specifically...

14/3,K/68 (Item 3 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)

01023934
Microwavable trays heat up entree sales.
Food & Drug Packaging February, 1984 p. 6,38

... board trays for its frozen entree line. Since metal is not recommended for use in **microwave** ovens, consumers used to **transfer** their dinners to another **container** before cooking. Currently, 45 percent of West Coast households have microwave ovens. International Paper makes...

14/3,K/69 (Item 4 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)

00981868
Problems with providing communications circuits to local users by common carriers have led to several innovative alternatives, eg, ISDN, DTS, and direct satellite links, according to R Palmer and D Skipwith, Magnum Microwave.
Communications News January, 1984 p. 70,711

... services stimulated by deregulation has spurred firms to seek a solution to the local distribution **bottleneckP** Digital **microwave** radio and lightwave **transmission** systems recently have become the most cost-effective transmission media at dramatically lower channel capacities ...

14/3,K/70 (Item 5 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)

00871433
Checking the vacuum inside glass drug containers **at a 100% inspection rate could be done on a production line with an** infrared **laser, according to Benthos Inc (N Falmouth, Mass), a maker of inspection**

equipment.
Laser Report January 26, 1981 p. 2-3

Checking the vacuum inside glass drug containers **at a 100% inspection rate could be done on a production line with an** infrared **laser, according to Benthos Inc (N Falmouth, Mass), a maker of inspection equipment.**

14/3,K/71 (Item 6 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)

00449367
Total demand for high purity polyester will reach 300 mil lbs in 1978 and 500 mil lbs by mid-1980s, according to CJ Pilliod of Goodyear, a major supplier of the resin to PET bottle manufacturers.
Modern Packaging September, 1978 p. 121

... the resin is used to make lunch meat wraps, coatings for paper cooking trays for **microwave** and conventional ovens and **bottles** for cooking oil, **medicines** and household chemicals. ...

14/3,K/72 (Item 7 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)

00445981
Aluminum foil containers can be safely used in microwave ovens, concludes a study by the Aluminum Assn and the Aluminum Foil Containers Mfg Assn.
Paper, Film & Foil Converter September, 1978 p. 80

Metal **containers** do not **transmit microwave** energy, but reflect it. The magnetron tubes in today's microwave ovens have ceramic-metal...

14/3,K/73 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

03891752 Supplier Number: 50042065 (USE FORMAT 7 FOR FULLTEXT)
HEWLETT-PACKARD: HP demonstrates 16 Mb/s point-and-shoot IR transceiver technology
M2 Presswire, pN/A
June 2, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 840

... will help offload the traffic from portable digital appliances over IrDA and alleviate potential bandwidth **bottlenecks** these devices could cause by **transferring** data via USB.
Infrared LAN access products also need the higher bandwidth. "The 4Mb/s IrDA specification for infrared...

14/3,K/74 (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

03890890 Supplier Number: 50039516 (USE FORMAT 7 FOR FULLTEXT)
BUSINESS & TECHNOLOGY: RADIOACTIVE HAZARDS SOLID-WASTE SITES SHOULD MONITOR ALL VEHICLES FOR RADIATION, GROUP SAYS
Solid Waste Report, v29, n22, pN/A
May 28, 1998
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 1129

... options of municipalities and private haulers. New features in the CCS include: on-board scales, **radio frequency container** identification, multiple data **communications** options between a truck and an office or transfer station, and a global positioning system...

14/3,K/75 (Item 3 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

01675753 Supplier Number: 42666932 (USE FORMAT 7 FOR FULLTEXT)
SPRINT TO BUILD NETWORK, TAKE ON MERCURY AND BT IN THE U.K.
The Report on AT&T, v10, n2, pN/A
Jan 13, 1992
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 1084

... S. carriers operating in the United States on international routes where the respective carrier has **bottleneck** control.
Cable & **Wireless Communications** , a wholly owned subsidiary of Cable & **Wireless** Plc, has sought to rid itself of the dominant classification in order to have more...

14/3,K/76 (Item 4 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

01318813 Supplier Number: 41528927 (USE FORMAT 7 FOR FULLTEXT)
OVER-PACKAGING REVISITED
Shopper Report, v0, n0, p2,3
Sept, 1990
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 898

... plastic bag by the clerk despite my protests."
"Soft margarine - after saving the first 1000 **containers** , then what?!!"
"OTC **drugs** -- sealed in cellophane, then cap sealed and stuffed with lots of cotton."
"Minute Rices **microwave** dishes and Top Shelf -- micro container with ring pull tray lid plus plastic domed microwave...

14/3,K/77 (Item 1 from file: 149)
DIALOG(R)File 149:TGG Health&Wellness DB(SM)

01837355 SUPPLIER NUMBER: 54805756 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Soy, Soy, Soy For a Healthy You!
Christ, Peggy
Ostomy Quarterly, 36, 3, 12
Spring,
1999
PUBLICATION FORMAT: Magazine/Journal ISSN: 0030-6517 LANGUAGE: English
RECORD TYPE: Fulltext TARGET AUDIENCE: Professional
WORD COUNT: 1232 LINE COUNT: 00112

... white pepper
3/4 cup shredded
Parmesan cheese
Combine all sauce ingredients in a blender. **Transfer** to a **microwave** safe **container** and heat on medium high power (80%) for approximately 3 minutes. Stir. Heat another 2...

14/3,K/78 (Item 2 from file: 149)
DIALOG(R)File 149:TGG Health&Wellness DB(SM)

01693786 SUPPLIER NUMBER: 19471253 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Assessment of meal portion, food temperature, and select nutrient content of the Hawaii Meals on Wheels program.
Shovic, Anne; Geoghegan, Patty
Journal of the American Dietetic Association, v97, n5, p530(3)
May,
1997
PUBLICATION FORMAT: Magazine/Journal ISSN: 0002-8223 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract TARGET AUDIENCE: Professional
WORD COUNT: 1617 LINE COUNT: 00131

... cardboard lids, so it was difficult for the meals to be reheated either in the **microwave** or standard oven without first being **transferred** to another appropriate **container** . At this point in the program, positive administrative action was taken. For example, better delivery...

14/3,K/79 (Item 3 from file: 149)
DIALOG(R)File 149:TGG Health&Wellness DB(SM)

01603222 SUPPLIER NUMBER: 17442473 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Compliance with medication among outpatients with uncontrolled hypertension in the Seychelles.
Hungerbuhler, P.; Bovet, P.; Shamlaye, C.; Burnand, B.; Waeber, B.
Bulletin of the World Health Organization, v73, n4, p437(6)
July-August,
1995
PUBLICATION FORMAT: Magazine/Journal ISSN: 0042-9686 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract TARGET AUDIENCE: Professional
WORD COUNT: 3076 LINE COUNT: 00265

... Reducing costs and improving compliance. American journal of cardiology, 1989, 63: 17B-20B. [6.] Maronde **RF** et al. Underutilization of antihypertensive drugs and associated hospitalization. Medical care, 1989, 27: 1159-1166...

...disease, 1959, 80: 415-423. [16.] Roth HP et al. Measuring intake of a

prescribed **medication** : a **bottle** count and a tracer technique compared. Clinical pharmacology and therapeutics, 1970, 11: 228-237. [17...

...suppl. II): II-56-II-60. [33.] Bartlett EE et al. The effect of physician **communications** skills on patient satisfaction,

14/3,K/80 (Item 4 from file: 149)
DIALOG(R)File 149:TGG Health&Wellness DB(SM)

01486838 SUPPLIER NUMBER: 15625996 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Product directory. (1994 Resource Directory & Buyers' Guide) (Directory)
Independent Living, v9, n4, p10(52)
June,
1994
DOCUMENT TYPE: Directory PUBLICATION FORMAT: Magazine/Journal ISSN: 1048-3772 LANGUAGE: English RECORD TYPE: Fulltext TARGET AUDIENCE: Consumer
WORD COUNT: 10274 LINE COUNT: 01963

... Corp.
Technomarketing
Thought Technology
Undercare
Uni-Patch
United Medical
Urocare Products
Whitestone Products
Infectious Materials **Containers**
Dixie USA
Eastman **Medical** Products
Information Services
DeRoyal Industries
Infrared Lamps
Smith Truss Co., The
Infusion Pumps, Dialysis
Safe & Warm
Infusion Pumps, Parenteral Feeding
Baxter...

14/3,K/81 (Item 5 from file: 149)
DIALOG(R)File 149:TGG Health&Wellness DB(SM)

01476388 SUPPLIER NUMBER: 14936456 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Don't get burned. (protection against accidents in the kitchen) (The Latest Dish)
Ladies Home Journal, v111, n4, p206(1)
April,
1994
PUBLICATION FORMAT: Magazine/Journal ISSN: 0023-7124 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract TARGET AUDIENCE: Consumer
WORD COUNT: 347 LINE COUNT: 00032

... that the steam escapes away from you.
Always use mitts to remove dishes from the **microwave** because **microwaved** food **transfers** its heat to the **container** .
Cool off a burn. Run very cold tap water over a burn immediately.

Don't...

14/3,K/82 (Item 6 from file: 149)
DIALOG(R)File 149:TGG Health&Wellness DB(SM)

01434985 SUPPLIER NUMBER: 14946085 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Improper infection-control practices during employee vaccination programs -- District of Columbia and Pennsylvania, 1993. (Epidemiological Notes and Reports)
Morbidity and Mortality Weekly Report, v42, n50, p969(3)
Dec 24,
1993
PUBLICATION FORMAT: Magazine/Journal ISSN: 0149-2195 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract TARGET AUDIENCE: Professional
WORD COUNT: 1066 LINE COUNT: 00094

... 8.
7. Highsmith AK, Greenhood GP, Allen JR. Growth of nosocomial pathogens in multidose parenteral **medication vials** . J Clin Microbiol 1982;15:1024-8.
8. Plott RT, Wagner **RF** , Tyring SK. latrogenic contamination of multidose vials in simulated use: a reassessment of current patient...

14/3,K/83 (Item 7 from file: 149)
DIALOG(R)File 149:TGG Health&Wellness DB(SM)

01306721 SUPPLIER NUMBER: 11247889 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Routine gone awry. (a simple operation to remove a foreign body almost led to the death of the one year old patient)
Rodnick Jonathan E.; McPhee, Stephen J.
The Western Journal of Medicine, v155, n2, p193(1)
August,
1991
PUBLICATION FORMAT: Magazine/Journal ISSN: 0093-0415 LANGUAGE: English
RECORD TYPE: Fulltext TARGET AUDIENCE: Professional
WORD COUNT: 926 LINE COUNT: 00067

... up in my arms, and she immediately settled down in anticipation of a warm soothing **bottle** . The **microwave** chimed, **signaling** that all was ready. With **bottle** and child in hand, the two of us nestled down on the sofa in the...

```
Set     Items   Description
S1       1021   AU=(WALKER J? OR WALKER, J?)
S2     309004   WIRELESS? OR RF OR RADIO()(FREQUENC? OR WAVE?) OR INFRARED
              OR RADIOFREQUENC? OR RADIOWAVE? OR CABLELESS OR CABLEFREE OR
             (WIRE OR CABLE)()(LESS? OR FREE) OR MICROWAVE?
S3     594486   PRESCRIPTION? OR RX OR R()X OR DRUG? ? OR MEDICATION? OR M-
             EDICINE? OR MEDICAL
S4     600305   CONTAINER? OR BOTTLE? OR JAR
S5    5017592   TRANSFER? OR TRANSMI? OR FORWARD OR SEND? OR SENT OR COMMU-
             NICAT? OR SIGNAL?
S6       8093   S3(10N)S4
S7        144   S6 AND S2
S8         44   S7 AND S5
S9          2   S1 AND S2 AND S3
S10     22669   S4(5N)S5
S11       321   S10(15N)S2
S12        11   S11 AND IC=G06F?
S13        54   S12 OR S8
? show file
File 344:Chinese Patents Abs Aug 1985-2003/Mar
         (c) 2003 European Patent Office
File 347:JAPIO Oct 1976-2003/Feb(Updated 030603)
         (c) 2003 JPO & JAPIO
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200342
         (c) 2003  Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
         (c) 2002 INPI.  All rts. reserv.
? t 13/5/all
```

13/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

07439922 **Image available**
DEVICE AND METHOD FOR MANAGING CONTAINER

PUB. NO.: 2002-308433 [JP 2002308433 A]
PUBLISHED: October 23, 2002 (20021023)
INVENTOR(s): TSUJI NAOTO
MATSUNAGA TOSHIO
UBUKAWA TOSHINORI
APPLICANT(s): ISHIKAWAJIMA HARIMA HEAVY IND CO LTD
APPL. NO.: 2001-115488 [JP 20011115488]
FILED: April 13, 2001 (20010413)
INTL CLASS: B65G-061/00; B65G-063/00; **G06F-017/60** ; G01C-021/00; G08G-001/13

ABSTRACT

PROBLEM TO BE SOLVED: To improve the efficiency of **transferring** a **container** .

SOLUTION: This device is provided with a **wireless** IC number tag 28 to save the number information of a container 12, a wireless IC seal tag 29 to save the seal information of the container 12, an on-vehicle instrument 30 to save the physical distribution information of the container 12, first wireless antennas 16 and 17 for receiving the information of the container 12, a vehicle going sensor 18 for starting the first wireless antennas 16 and 17 to receive signals, a vehicle leaving sensor 19 for finishing the first wireless antennas 16 and 17 to receive signals, a second wireless antenna 20 for transmitting and receiving information between the on-vehicle instrument and the antenna 20, and an information processing means connected to the first wireless antennas 16 and 17 and the second wireless antenna 20. The information processing means recognizes the trailers 13 passing in front of the device one by one and reads and accumulates the information of the container 12 corresponding to the trailer 13 and reads the physical distribution information of the container 12 in order and check the information with the information of each container 12.

13/5/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

07347595 **Image available**
SYSTEM FOR CONFIRMING LOCATION OF OBJECT OF LOCATION CONFIRMATION

PUB. NO.: 2002-216086 [JP 2002216086 A]
PUBLISHED: August 02, 2002 (20020802)
INVENTOR(s): TAKEI YUICHIRO
KATO TADASHI
KISHIMOTO TORU
APPLICANT(s): NIPPON TELEGR & TELEPH CORP (NTT)
APPL. NO.: 2001-015678 [JP 20011015678]
FILED: January 24, 2001 (20010124)
INTL CLASS: G06K-017/00; **G06F-017/60** ; G06K-019/07; G06K-019/00; G08B-013/24; H04B-005/02; H04B-007/26

ABSTRACT

PROBLEM TO BE SOLVED: To provide a system for confirming the location of the object of location confirmation capable of automatically executing the conformation of the location of the object whose location should be confirmed and the detection of the loss or robbery in a real time.

SOLUTION: This system is provided with an RFID(**Radio Frequency** - Identification) tag 2 mounted on a waste sealing **container** 1 for automatically **transmitting** data, an RFID tag data reader 3 for receiving a reading signal from a computer 5, and for reading the tag identification data of the RFID tag 2, and the computer 5 for reading the tag identification data from the RFID tag data reader 3, the specific number of the RFID tag data reader 3, and the tag identification data reading time, and for making them correspond to preliminarily stored tag identification data, and for confirming the location of the waste sealing container 1.

13/5/3 (Item 3 from file: 347)

06818867 **Image available**

BLOOD CHARACTERISTIC MEASUREMENT METHOD AND DEVICE THEREFOR

PUB. NO.: 2001-046360 [JP 2001046360 A]
PUBLISHED: February 20, 2001 (20010220)
INVENTOR(s): KISHIMORI SHIGENORI
HASEBE YOJI
APPLICANT(s): SEFA TECHNOLOGY KK
SENTEKKU KK
APPL. NO.: 11-227378 [JP 99227378]
FILED: August 11, 1999 (19990811)
INTL CLASS: A61B-005/145; G01P-005/00

ABSTRACT

PROBLEM TO BE SOLVED: To directly measure the collected blood of extremely low **transmissivity** by using an optical means and to measure the blood characteristics of a patient requiring emergency **medical** treatment in an extremely short time.

SOLUTION: In a test **container** 1 inserted to a container holding means 2, by a lighting circuit 5, a first light emitting source LD1 and a second light emitting source LD2 are alternately lighted by synchronizing **signals** originated by a built-in clock and **infrared** light and red visible light are alternately projected to a simple S (fluid to be measured containing blood) inside the test container 1. At the time, the light quantity of **transmission** light 12c and 12d alternately **transmitted** inside the test container 1 is detected as electric **signals** by a photosensor PS, the secular change of each light quantity is measured by a **signal** processing part 6, the measured value is converted to the secular change of each **transmissivity** and the blood characteristic value of the sample S is calculated by an arithmetic processing part 11 based on the measured result.

13/5/4 (Item 4 from file: 347)

DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

06632074 **Image available**
PERSONAL MEDICINE DELIVERY MONITORING SYSTEM HAVING BUILT-IN DISPLAY DEVICE

PUB. NO.: 2000-217888 [JP 2000217888 A]
PUBLISHED: August 08, 2000 (20000808)
INVENTOR(s): THOMAS Y WOK
LAWRENCE S MOKU
APPLICANT(s): INTERNATL BUSINESS MACH CORP (IBM)
APPL. NO.: 2000-015807 [JP 200015807]
FILED: January 25, 2000 (20000125)
PRIORITY: 240347 [US 99240347], US (United States of America), January 29, 1999 (19990129)
INTL CLASS: A61J-007/04; **G06F-019/00**

ABSTRACT
PROBLEM TO BE SOLVED: To give directions for taking a medicine to a user, and easily correct protocol related to the uptake period and directions for taking a **medicine** at need by providing a **container** for storing the **medicine** , a daily use device for the **medicine** , a monitoring device for daily use the medicine, and an informing device for recipe for the **medicine** .
SOLUTION: A personal **medicine** delivery **container** 10 includes a microcontroller 12, a **wireless** frequency **transmitter** 3, a liquid crystal display device 16, and a mechanical operating mechanism for daily using a tablet or the other kinds of **medicine** . A **wireless communication** system provided the **container** 10 **transmits radio frequency** (**RF**) data or a voice **signal** through an antenna to a receiver worn by a patient, whereby the necessity of taking medicine is informed to the patient by **communication** with the patient. The notice including the direction of taking **medicine** can be programmed through the **container** 10 and a suitable internet connection or **transmitted** live.

13/5/5 (Item 5 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

04031957 **Image available**
TREATING DEVICE FOR MEDICAL TREATMENT WASTE

PUB. NO.: 05-023657 [JP 5023657 A]
PUBLISHED: February 02, 1993 (19930202)
INVENTOR(s): KAMEDA TAKASHI
NOMA KOICHI
APPLICANT(s): KAWASAKI HEAVY IND LTD [000097] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 03-203456 [JP 91203456]
FILED: July 18, 1991 (19910718)
INTL CLASS: [5] B09B-003/00; A61L-011/00
JAPIO CLASS: 13.1 (INORGANIC CHEMISTRY -- Processing Operations); 28.2 (SANITATION -- Medical); 32.4 (POLLUTION CONTROL -- Refuse Disposal)
JOURNAL: Section: C, Section No. 1069, Vol. 17, No. 303, Pg. 86, June 10, 1993 (19930610)

ABSTRACT

PURPOSE: To improve heat **transfer** efficiency and to shorten the time for a heating treatment as well as to prevent local heating so as to efficiently execute the sterilization and volumetric reduction treatments of medical treatment waste by admitting circulating hot wind only into a treating matter **container** housing the **medical** treatment waste and irradiating the treating matter **container** with **microwaves** .

CONSTITUTION: The treating matter container 18 having a hole 20 for passing the hot wind is housed into a heating chamber 16 which has an entrance door 10, a hot wind outlet 12 and a hot wind inlet 14. A **microwave** generator 22 is connected to the heating chamber 16. The hot wind outlet 12 and the hot wind inlet 14 are connected in a hot wind circulating part having a hot wind heater 24 and a hot wind circulating blower 26. Further, the aperture 30 of the treating matter container 18 is shielded by a perforated plate 32 and the perforated plate 32 is moved by a perforated plate moving device 34. On the other hand, the peripheral part 36 of the perforated plate 32 and the wall of the heating chamber 16 are connected by a free expansion wall 38. Only the treating matter **container** 18 housing the **medical** treatment waste 17 is irradiated with the circulating hot wind and **microwaves** , by which the medical treatment waste 17 is efficiently subjected to the efficient sterilization and volume reduction treatment.

13/5/6 (Item 6 from file: 347)

03957561 **Image available**

DETECTION ENUNCIATING SYSTEM FOR FLOW RATE OF LIQUID

PUB. NO.: 04-322661 [JP 4322661 A]
PUBLISHED: November 12, 1992 (19921112)
INVENTOR(s): ITO SADAO
APPLICANT(s): IWATSU ELECTRIC CO LTD [000018] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 03-117997 [JP 91117997]
FILED: April 22, 1991 (19910422)
INTL CLASS: [5] A61M-005/00; A61M-005/00; G01F-013/00
JAPIO CLASS: 28.2 (SANITATION -- Medical); 46.1 (INSTRUMENTATION -- Measurement)
JAPIO KEYWORD:R116 (ELECTRONIC MATERIALS -- Light Emitting Diodes, LED)
JOURNAL: Section: C, Section No. 1041, Vol. 17, No. 158, Pg. 111, March 29, 1993 (19930329)

ABSTRACT

PURPOSE: To reduce services of nurses by reporting the completion of dosing a liquid medicine to a nurse station with **wireless** in a dripping to a patient.

CONSTITUTION: A medicine liquid is **sent** to a drip needle 10 at the tip of a tube 9 from the bottom of a **bottle** 5 holding a **medicine** 4 for dripping. A drip quantity detection sensor 6 is provided in the course of the tube 9 to detect the presence of a flow of the medicine liquid and the results are **sent** to a nurse station together with identifying information by a **wireless signal** . The detection sensor 6 is provided with a light emitting element and a photodetecting element to detect the presence of the medicine liquid passing therebetween. This can lessen burden on a nurse and allows the removing of the drip needle 10 immediately after the completion of dosing a medicine thereby reducing pains of the patient.

13/5/7 (Item 7 from file: 347)
DIALOG(R)File 347:JAPIO

03923066 **Image available**
LIQUID FLOW RATE DETECTION INFORMING DEVICE

PUB. NO.: 04-288166 [JP 4288166 A]
PUBLISHED: October 13, 1992 (19921013)
INVENTOR(s): ITO SADAO
APPLICANT(s): IWATSU ELECTRIC CO LTD [000018] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 03-076799 [JP 9176799]
FILED: March 15, 1991 (19910315)
INTL CLASS: [5] A61M-005/00
JAPIO CLASS: 28.2 (SANITATION -- Medical)
JOURNAL: Section: C, Section No. 1030, Vol. 17, No. 100, Pg. 49, February 26, 1993 (19930226)

ABSTRACT

PURPOSE: To reduce in-service of a nurse by informing of the completion of dosing a liquid medicine to a nurse station **wireless** when a dripping is performed to a patient.

CONSTITUTION: A medicine liquid is fed to a dripping needle 10 at the tip of a tube 9 therethrough from the bottom of a **bottle** 5 holding a **medicine** 4 for dripping. The **bottle** 5 is hung on a stand 11 through a weight detection sensor 7 to detect the presence of a medicine liquid by a change in the weight thereof and the results are **sent** by a **wireless signal** to a nurse station together with identification information. A detection sensor 7 is provided with a spring and a metal needle provided at the tip thereof and as the tip of the metal needle moves with a change in the weight of medicine liquid, when the tip of the metal needle reaches a specified position, it contacts a metal plate to run a current and a change in the weight of the medicine liquid is detected. Thus, burden of a nurse is reduced and the dripping needle 10 can be pulled off immediately after the completion of the dosing thereby enabling a reduction in pains of a patient.

13/5/8 (Item 8 from file: 347)
DIALOG(R)File 347:JAPIO

03504534 **Image available**
APPARATUS FOR INSPECTING TIGHTLY SEALED CONTAINER

PUB. NO.: 03-167434 [JP 3167434 A]
PUBLISHED: July 19, 1991 (19910719)
INVENTOR(s): KATAYAMA TSUNEO
TAKAYAMA YOSHIHARU
APPLICANT(s): SHINDAIGO KK [000000] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 01-304802 [JP 89304802]
FILED: November 27, 1989 (19891127)
INTL CLASS: [5] G01M-003/16
JAPIO CLASS: 46.2 (INSTRUMENTATION -- Testing); 14.4 (ORGANIC CHEMISTRY -- Medicine); 31.2 (PACKAGING -- Containers)
JOURNAL: Section: P, Section No. 1265, Vol. 15, No. 415, Pg. 5,

October 22, 1991 (19911022)

ABSTRACT

PURPOSE: To detect a pinhole whose diameter is 60.mu.m or smaller, with respect to the inspection of drip **containers**, injection-liquid **containers** and the like used in **medical** treatment, by processing the **containers** in a vacuum state, accelerating the leakage of liquid through the defective part of tight sealing, and obtaining the thermal image of each tightly sealed container which is conveyed individually.

CONSTITUTION: An inspecting apparatus 10 is composed of an uprightly rasing means 11, a laterally aligning means 12, a vacuum treating means 13, a **transfer** means 14, a lateral-alignment separating means 15 and a thermal image processing means 16. At first, in the means 11, ampul sets S which are conveyed in the laid-down state are raised uprightly. In the means 12, the sets are divided into right and left with a dividing arms 12a. The sets are conveyed as laterally aligned blocks B. Then, in the means 13, a plurality of the blocks B are contained in a plurality of vacuum chambers 18 and turned on a rotary body 19. During this period, the leakage of liquid through the defective part of the tight sealing is accelerated. Then, in the means 14, the blocks B are **transferred** on a conveyer 22 from a bottom plate 18c at positions P(sub 1) and P(sub 2). In the means 15, the sets S are taken out of the blocks B and conveyed for every set S. In the means 16, the thermal image of each set S is obtained with an **infrared** -ray imaging device 23.

13/5/9 (Item 9 from file: 347)

02788443 **Image available**

DETECTION OF CAPSULE AGENT INSUFFICIENTLY FILLED WITH MEDICINE

PUB. NO.: 01-086043 [JP 1086043 A]
PUBLISHED: March 30, 1989 (19890330)
INVENTOR(s): SHIRATORI MAMORU
TAKAHASHI HIROSHI
HASHIMOTO NOBUO
APPLICANT(s): SANKYO CO LTD [000185] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 63-204467 [JP 88204467]
FILED: August 16, 1988 (19880816)
INTL CLASS: [4] G01N-021/85; A61J-003/07; G01N-021/84
JAPIO CLASS: 46.2 (INSTRUMENTATION -- Testing); 14.4 (ORGANIC CHEMISTRY -- Medicine); 28.2 (SANITATION -- Medical)
JOURNAL: Section: P, Section No. 900, Vol. 13, No. 316, Pg. 28, July 18, 1989 (19890718)

ABSTRACT

PURPOSE: To detect an insufficient filling of a capsule **container** with a **medicine** accurately at a high speed, by using a near **infrared** modulation light that is **transmitted** through a capsule container non-transparently colored and made of gelatin but not allowed to pass through a packed medicine.

CONSTITUTION: A capsule container 2 to be inspected is inserted into an inspection position continuously with a belt conveyor 1. When a **medicine** packed into the capsule **container** 2 reaches a specified packing ratio or more, the **medicine** blocks the **transmission** of a near **infrared**

modulation light from being received by a light receiver 4 with the capsule **container** 2 vertical in attitude. When a packing of the **medicine** is not sufficient, the near **infrared** modulation light is not intercepted with the capsule container 2 vertical in attitude and no pulse **signal** is inputted into a comparator/discriminator circuit 6.

13/5/10 (Item 10 from file: 347)
DIALOG(R)File 347:JAPIO

00783907 **Image available**
AUTOMATIC INSPECTION APPARATUS OF CAP SCREWING

PUB. NO.: 56-104207 [JP 56104207 A]
PUBLISHED: August 19, 1981 (19810819)
INVENTOR(s): SANO KENZO
NISHIZAWA TOSHIO
SATOMURA YUKIYOSHI
YOSHIDA TADASHI
TAMAI SHINSUKE
APPLICANT(s): MEIJI SEIKA KAISHA LTD [000609] (A Japanese Company or Corporation), JP (Japan)
FUJI DENKI AUTOM KK [000000] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 55-007076 [JP 807076]
FILED: January 24, 1980 (19800124)
INTL CLASS: [3] G01B-011/30; B21D-051/30; G01N-021/88
JAPIO CLASS: 46.1 (INSTRUMENTATION -- Measurement); 12.5 (METALS -- Working); 14.4 (ORGANIC CHEMISTRY -- Medicine); 31.2 (PACKAGING -- Containers); 46.2 (INSTRUMENTATION -- Testing)
JAPIO KEYWORD:R116 (ELECTRONIC MATERIALS -- Light Emitting Diodes, LED)
JOURNAL: Section: P, Section No. 88, Vol. 05, No. 175, Pg. 69, November 11, 1981 (19811111)

ABSTRACT

PURPOSE: To perform automatically the stable and highly precise inspection by a method wherein the cap screwing part of a bottle thrown in a pocket of the turn table from the throwing in conveyer is lighted by a light source and the reflected light is detected by a photodetector to inspect the presence of abnormity.

CONSTITUTION: A sample bottle 3 is conveyed on the throwing in conveyer 2 to be pushed into a pocket of the rotary index table 1 at the St1. Through the bottle holding roller 14 and the motor driving roller 11 the **bottle** is rotated. At the station A the **medicine bottle** screwing part is lighted by an electric bulb 5 and the image thereof is converted into an electric **signal** by an image sensor 4 to perform the inspection of an inferior article. At stations B and C the inferior article inspection is made with an **infrared** luminous diode as a light source and through a phototransistor. At the station D the inspection of the contents is made with the electric bulb and the hot transistor. The inferior article is discharged from the conveyer 9, while the article of good quality is discharged from the conveyer 8. Thereby the stable and highly precise inspection can be automatically performed.

13/5/11 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

015320574 **Image available**
WPI Acc No: 2003-381509/200336
XRAM Acc No: C03-101262
XRPX Acc No: N03-304811

Medical product for integrated delivery system used for, e.g. sedation and analgesia, has quality assurance module storing information comprising identifier unique to the medical product and/or to the origin of the product

Patent Assignee: SCOTT LAB INC (SCOT-N)
Inventor: COBB N E; HICKLE R S
Number of Countries: 101 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200326558	A2	20030403	WO 2002US30184	A	20020924	200336 B
US 20030074223	A1	20030417	US 2001324043	P	20010924	200336
			US 2002252818	A	20020924	

Priority Applications (No Type Date): US 2001324043 P 20010924; US 2002252818 A 20020924
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200326558	A2	E	33	A61J-000/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

US 20030074223	A1		G06F-017/60	Provisional application US 2001324043

Abstract (Basic): WO 200326558 A2

NOVELTY - A medical product is marked with a quality assurance module. The quality assurance module stores information relating to the product. The information comprises an identifier unique to the medical product and/or to the origin of the product.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for:

(1) an integrated drug delivery system comprising a patient health monitor device coupled to a patient and generating a **signal** reflecting physiological condition(s) of the patient; a drug delivery controller supplying drug(s) to the patient; the inventive medical product(s) removably coupled to the system; a reader device for reading information stored on the quality assurance module of the medical product; a memory device storing a safety data set reflecting safe and undesirable parameters of at least one monitored patient physiological condition and reflecting safe and undesirable parameters of the medical product; and an electronic controller (which receives the **signals** and in response manages the application of the drugs in accord with the safety data set) interconnected between the patient health monitor, the drug delivery controller, the reader device, and the memory device storing the safety data set; and

(2) a method of assuring quality, safety, and/or certified manufacture of a medical product to be used with a medical system, comprising tagging the medical product with a quality assurance module comprising an information related to the medical product including an identifier unique to the medical product and/or to the origin of the product, sensing the information on the module, comparing the information to parameters (signifying as quality, safety, and/or certified manufacture), and rejecting the use of the product with the medical system if the comparison suggests that the product is not of

quality, safety, and/or certified manufacture.

USE - For an integrated delivery system used for sedation and analgesia, deep sedation, and/or general anesthesia.

ADVANTAGE - The invention prevents unsafe reuse of tainted disposable components, supplies, and kits of a drug administration device or system; enhances quality assurance; prevents misuse; and facilitates product recall, tracking, or similar measures taken with respect to medical products.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic diagram of the invention.

pp; 33 DwgNo 1/8

Title Terms: MEDICAL; PRODUCT; INTEGRATE; DELIVER; SYSTEM; SEDATIVE; ANALGESIC; QUALITY; ASSURE; MODULE; STORAGE; INFORMATION; COMPRISE; IDENTIFY; UNIQUE; MEDICAL; PRODUCT; ORIGIN; PRODUCT

Derwent Class: B07; P33; S05; T06

International Patent Class (Main): A61J-000/00; G06F-017/60

File Segment: CPI; EPI; EngPI

13/5/12 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

015310955 **Image available**

WPI Acc No: 2003-371890/200335

XRAM Acc No: C03-098732

XRPX Acc No: N03-296599

Medical product information device for inactivating pathogens in blood product, has information chip for writing information concerning to subjection of container or blood product to pathogen inactivation process

Patent Assignee: CORBIN F (CORB-I); FLETCHER-HAYNES P (FLET-I); GAMBRO INC (GAMB)

Inventor: CORBIN F; FLETCHER-HAYNES P

Number of Countries: 101 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200326724	A1	20030403	WO 2002US30634	A	20020926	200335	B
US 20030072676	A1	20030417	US 2001325460	P	20010927	200335	
			US 2002256852	A	20020926		

Priority Applications (No Type Date): US 2001325460 P 20010927; US 2002256852 A 20020926

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200326724	A1	E	51	A61M-001/36	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

US 20030072676	A1		A61L-002/00	Provisional application US 2001325460

Abstract (Basic): WO 200326724 A1

NOVELTY - A **medical** product information device includes blood product **container** (10), and electromagnetic operable information chip (15) for maintaining information about the blood product that may be contained within the container. The information chip writes information to the chip concerning to subjection of the container or blood product to pathogen inactivation process.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a method of inactivating pathogens in a blood product by disposing a blood product in a container, positioning the container so that the information chip is disposed to be written to by an information chip writer, writing information to the chip regarding the pathogen inactivation process.

USE - The device is used to inactivate pathogens in a blood product.

ADVANTAGE - The information chip allows information, such as manufacturing or post-manufacturing inventory data to be written to each chip during different phases of manufacturing, sterilization, shipping, storage, and/or use in blood processing, and such data need not be written to the chips only once. Any or all information can be **communicated** from the chip before, after, or during transfusion to the ultimate recipient of the blood product for improved patient care, or inventory control.

DESCRIPTION OF DRAWING(S) - The figure is a plan view of blood or blood component container having an information chip.

Container (10)
Seam (11-14)
Information chip (15)
Chamber (20)
pp; 51 DwgNo 1/6

Title Terms: MEDICAL; PRODUCT; INFORMATION; DEVICE; INACTIVATE; PATHOGEN; BLOOD; PRODUCT; INFORMATION; CHIP; WRITING; INFORMATION; SUBJECT; CONTAINER; BLOOD; PRODUCT; PATHOGEN; INACTIVATE; PROCESS
Derwent Class: B04; D22; P34
International Patent Class (Main): A61L-002/00; A61M-001/36
International Patent Class (Additional): A61M-001/14; B01J-019/08
File Segment: CPI; EngPI

13/5/13 (Item 3 from file: 350)

015279918 **Image available**
WPI Acc No: 2003-340849/200332
XRAM Acc No: C03-089290
XRPX Acc No: N03-272655

Medicine cabinet for assisting users in selection and purchasing medication, has radio frequency **receiver, computer coupled to the receiver and Internet, and display device coupled to the computer**

Patent Assignee: GERSHMAN A V (GERS-I); WAN D (WAND-I); ACCENTURE GLOBAL SERVICES GMBH (ACCE-N)
Inventor: GERSHMAN A V; WAN D
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020153411	A1	20021024	US 2001840248	A	20010423	200332 B
US 6539281	B2	20030325	US 2001840248	A	20010423	200332

Priority Applications (No Type Date): US 2001840248 A 20010423
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020153411	A1		14	G06F-017/00	
US 6539281	B2			G06F-017/00	

Abstract (Basic): US 20020153411 A1

NOVELTY - A medicine cabinet has a **radio frequency** (**RF**) receiver configured to read information included on **RF** sensitive

labels attached to items containing medication. A computer is operatively coupled to the **RF** receiver and an Internet, and configured to **transmit** information to and receive information from sites on wide area network. A display device is operatively coupled to the computer.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for a method of tracking use of medications involving automatically identifying medication stored in the medicine cabinet by reading labels associated with the medicines; and detecting use of the medications in the medicine cabinet by detecting removal of a respective medication from the medicine cabinet and by detecting changes in quantity of items of medication of the respective medication.

USE - For assisting users in selection and purchasing or taking medication.

ADVANTAGE - The inventive medicine cabinet allows the user to conveniently and efficiently manage the users medication inventory.

DESCRIPTION OF DRAWING(S) - The figure illustrates a computer network system that can be employed to select and purchase medication.

pp; 14 DwgNo 2/7

Title Terms: MEDICINE; CABINET; ASSIST; USER; SELECT; PURCHASE; MEDICATE; RADIO; FREQUENCY; RECEIVE; COMPUTER; COUPLE; RECEIVE; DISPLAY; DEVICE; COUPLE; COMPUTER

Derwent Class: B07; S05; T01; W02; W06

International Patent Class (Main): G06F-017/00

File Segment: CPI; EPI

13/5/14 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

015148342 **Image available**

WPI Acc No: 2003-208869/200320

XRPX Acc No: N03-166444

Inspection system for detecting contraband inside vehicle tire, has timer which determines time of flight of microwave **pulse comprising test** microwave signal **as it travels from** transmitter **to receiver**

Patent Assignee: SANDIA CORP (SAND-N)

Inventor: BACON L D; LOUBRIEL G M; TOTH R P; WATSON R D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6480141	B1	20021112	US 2001805650	A	20010313	200320	B

Priority Applications (No Type Date): US 2001805650 A 20010313

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6480141	B1		31	G01S-013/00	

Abstract (Basic): US 6480141 B1

NOVELTY - A processor (326) detects, analyzes and compares a characteristic of a test **microwave signal** received from a container (100) with a baseline **microwave signal** received from a similar container. A timer (324) measures time of flight of a **microwave** pulse (320) comprising the test **microwave signal** as it travels from a **transmitter** to a receiver (322).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) Tire inspection method; and

(2) Non-metallic container inspection method.

USE - For security surveillance system for detecting contraband such as illegal **drug** , explosive, weapon and cash hidden inside non-metallic **container** such as pneumatic vehicle tire using **microwave** radiation.

ADVANTAGE - The contraband is detected accurately and rapidly in an non-destructive manner by using low power **microwave** radiation without any physical contact with the container. Reduces overall size of the inspection system by placing the **transmitter** and receiver close to the container, thus minimizing scattering of the **microwave** radiation beyond sides of the container.

DESCRIPTION OF DRAWING(S) - The figure shows a contraband detection system.

Container (100)

Microwave pulse (320)

Receiver (322)

Timer (324)

Processor (326)

pp; 31 DwgNo 1B/18

Title Terms: INSPECT; SYSTEM; DETECT; CONTRABAND; VEHICLE; TIME; DETERMINE; TIME; FLIGHT; **MICROWAVE** ; PULSE; COMPRISE; TEST; **MICROWAVE** ; **SIGNAL** ; TRAVEL; **TRANSMIT** ; RECEIVE

Derwent Class: S03

International Patent Class (Main): G01S-013/00

International Patent Class (Additional): G01N-022/00

File Segment: EPI

13/5/15 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

015096366 **Image available**

WPI Acc No: 2003-156884/200315

XRAM Acc No: C03-040782

XRPX Acc No: N03-123838

Electromagnetic shield providing apparatus for mobile communication **devices, has design created on electromagnetic shield for providing added value to user**

Patent Assignee: LIVAY R (LIVA-I)

Inventor: LIVAY R

Number of Countries: 100 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200299817	A2	20021212	WO 2002IL435	A	20020604	200315	B

Priority Applications (No Type Date): US 2001295016 P 20010604

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200299817	A2	E	12	G21K-000/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

Abstract (Basic): WO 200299817 A2

NOVELTY - An electromagnetic shield covers an antenna of a **communication** device to protect the user of the device from

electromagnetic radiations. A design such as advertisements, gimmicks, objects, symbols, icons, gadgets, images, texts are created on the shield for providing added value to the user.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) method for providing effective advertisement to user of **microwave** emitting **communication** device; and

(2) method for providing psychological comfort to user of **microwave** emitting **communication** device.

USE - For providing electromagnetic shield designed around advertising concept such as mini coca-cola bottle, mini pen, mini tennis racket, small car, mini deodorant, mini spots shoe, small airplane, mini food wrapping, **medicine bottle** or tube, etc., used for shielding users of mobile **communication** devices such as cellular telephone, from harmful electromagnetic radiations.

ADVANTAGE - The antenna shield inhibits electromagnetic radiation from spreading to the users of mobile **communication** devices effectively and the design on the shield provides additional value to the users easily.

DESCRIPTION OF DRAWING(S) - The figure shows the antenna shield.

pp; 12 DwgNo 1/3

Title Terms: ELECTROMAGNET; SHIELD; APPARATUS; MOBILE; **COMMUNICATE** ; DEVICE; DESIGN; ELECTROMAGNET; SHIELD; ADD; VALUE; USER

Derwent Class: A85; V04; W01; W02

International Patent Class (Main): G21K-000/00

File Segment: CPI; EPI

13/5/16 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

015015161

WPI Acc No: 2003-075678/200307

XRAM Acc No: C03-019703

High frequency responsive composition for monolayer or multilayer films, comprises molecular sieve material(s), interpolymer(s), another polymer and inorganic filler

Patent Assignee: DOW GLOBAL TECHNOLOGIES INC (DOWC)

Inventor: BEULICH I; BUTLER T I; KELLEY D C

Number of Countries: 097 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200288229	A1	20021107	WO 2002US12021	A	20020417	200307	B

Priority Applications (No Type Date): US 2001286315 P 20010425

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200288229	A1	E	53	C08J-005/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ YU ZA ZM ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

Abstract (Basic): WO 200288229 A1

NOVELTY - A high frequency responsive composition has molecular sieve material(s) (in weight%) (2-50), interpolymer(s) (IP) (30-98), another polymer (0-50) and an inorganic filler (0-70). IP has polymer

units derived from: 2-20C aliphatic olefin monomer; and vinyl or vinylidene aromatic monomer(s) (VM), sterically hindered aliphatic or cycloaliphatic vinyl or vinylidene aromatic monomer(s) (SM), or VM and/or SM.

DETAILED DESCRIPTION - A high frequency (HF) responsive composition comprises molecular sieve material(s) (in weight%) (2-50), interpolymer(s) (30-98), another polymer (0-50) and inorganic filler (0-70). The interpolymer comprises polymer units derived from 2-20C aliphatic olefin monomer; and polymer units derived from vinyl or vinylidene aromatic monomer(s) (a), sterically hindered aliphatic or cycloaliphatic vinyl or vinylidene monomer(s) (b), vinyl or vinylidene aromatic monomer and sterically hindered aliphatic or cycloaliphatic vinyl or vinylidene monomer(s) (c), and optionally polymer units derived from ethylenically unsaturated polymerizable monomer other than that derived from (a), (b) or (c).

INDEPENDENT CLAIMS are included for the following:

(1) A monolayer or multilayer film comprising the high frequency composition;

(2) Method for increasing the HF responsiveness of the composition comprising interpolymer(s). The interpolymer(s) comprises polymer units; and

(3) An article of manufacture comprising the HF responsive composition.

USE - For monolayer or multilayer films and articles (claimed), stationary articles such as book covers, clip boards, labels, binders, notebooks, stationary wallets, ziploc bags and office files; inflatable items such as advertising items, beach balls, air beds, water beds, rafts and life jackets; household items, such as chair upholstery, headboards, quilting and table mats, everyday items such as badges, key fobs, umbrellas or cheque book covers; large items such as tarpaulins to protect and/or cover exposed objects, for trucks, boats, trains or **containers** , sign and banners, tents and marquees, liners, like pool liners; **medical** devices such as **containers** for storing **medical** solutions or blood products, ostomy bags or blood bags, medical or urological collection bags, medical infusion or intravenous bags. The structures and fabricated articles of the responsive composition are used for packaging applications such as sandwich bags, for **microwave** sealing applications such as **microwave** sealable container and plastic containers, tube sealing for tooth paste and shampoo. Inflatable devices such as air mattresses, flotation devices or toys, food packaging, children's articles and toys, curtains, labels, reinforced laminates for tents and tarpaulins, rooting membranes, geomembranes and geotextiles.

ADVANTAGE - The high frequency (HF) responsive composition has sufficient dielectric loss property to convert the high frequency energy to thermal energy. The composition is efficiently welded by application of dielectric heat at the welding location. The responsive composition provide faster and efficient sealability, sealing through poor heat conductors such as paper or cardboard, stronger seals, ability to seal, bond or laminate larger surface areas, sealing thicker or complex film. HF sealing has better performance than conventional thermal or heat sealing when rapid sealing time is a crucial factor. HF sealing technology allows energy to be concentrated at HF active layer, thereby eliminating the need to **transfer** heat through the entire structure or article, such as a color sensitive dyed fabric or non-woven fabric, or oriented film which can soften and undesirably shrink upon heating. HF responsive composition is fabricated easily into complex shapes, which is difficult with thermal sealing equipment. The composition fabricated into different structures have good balance in mechanical properties and/or good haptics.

pp; 53 DwgNo 0/0

Title Terms: HIGH; FREQUENCY; RESPOND; COMPOSITION; MONOLAYER; MULTILAYER; FILM; COMPRISE; MOLECULAR; SIEVE; MATERIAL; INTERPOLYMER; POLYMER; INORGANIC; FILL
Derwent Class: A13; A17; A35
International Patent Class (Main): C08J-005/00
File Segment: CPI

13/5/17 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014846536
WPI Acc No: 2002-667242/200271
XRAM Acc No: C02-187441
Apparatus useful for compounding drugs into dosage form to fill patient prescription **comprises central computer, several** containers **, dosing unit and automated compounder**
Patent Assignee: EUROCELTIQUE SA (EURO-N)
Inventor: OSHLACK B; WRIGHT C
Number of Countries: 100 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200269897	A2	20020912	WO 2002US6326	A	20020228	200271	B

Priority Applications (No Type Date): US 2001272766 P 20010302
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200269897	A2	E	34	A61K-000/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

Abstract (Basic): WO 200269897 A2
NOVELTY - An apparatus (I) comprises a central computer (A), several **containers** (B) for storing bulk **drugs** , a dosing unit (C) coupled to (A) and an automated compounder (D). (A) receives an individual patient prescription. (D) is controlled by (A) and connected to (C) for compounding at least one bulk drug into a dosage form for individual patient prescription. (C) **transfers** the bulk drug to (D).
DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for compounding a dosage form for an individual patient prescription using (I) involving:
(1) receiving and storing an individual patient prescription at (A);
(2) **transferring** at least one bulk drugs needed for the individual patient prescription to (D);
(3) **transmitting** an instruction from (A) to (D) to compound the bulk drug into a dosage form;
(4) receiving an instruction from (A) at (D) to compound the bulk drugs; and
(5) compounding the bulk drug in (D).
USE - For compounding drugs into a dosage form (such as tablet or capsule) to fill a patient prescription (claimed). For manufacturing drugs having individualized release characteristics for an individual patient.
ADVANTAGE - The apparatus effects saving and improves the quality

of combination and sustained release dosage forms.
pp; 34 DwgNo 0/6
Title Terms: APPARATUS; USEFUL; COMPOUND; DRUG; DOSE; FORM; FILL; PATIENT; PRESCRIBED; COMPRISE; CENTRAL; COMPUTER; CONTAINER; DOSE; UNIT; AUTOMATIC ; COMPOUND
Derwent Class: B07
International Patent Class (Main): A61K-000/00
File Segment: CPI

13/5/18 (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014798429 **Image available**
WPI Acc No: 2002-619135/200266
XRAM Acc No: C02-174894
XRPX Acc No: N02-490138

Micro-sized device for analysis of blood data, such as glucose, by repeated sampling through the skin of patient, comprises a plaster, punctuation needle, and repositioning mechanism

Patent Assignee: UNGER MED PU MED KONSULT FA PETER (UNGE-N); PU MED KONSULT FA (PUME-N); UNGER P (UNGE-I); PU MED KONSULT (PUME-N)
Inventor: UNGER P
Number of Countries: 097 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200258556	A1	20020801	WO 2002SE156	A	20020128	200266	B
SE 200100227	A	20020727	SE 2001227	A	20010126	200268	
SE 519020	C2	20021223	SE 2001227	A	20010126	200308	

Priority Applications (No Type Date): SE 2001227 A 20010126
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200258556	A1	E	18	A61B-005/155	

Designated States (National): AE AG AL AM AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU DM DZ EC ES GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

SE 200100227	A		A61B-005/155
SE 519020	C2		A61B-005/155

Abstract (Basic): WO 200258556 A1

NOVELTY - A micro-sized device comprises a plaster (3) for attaching the device to a skin (2); punctuation needle movable between a first position; and a repositioning mechanism for moving the needle so that during next punctuation of the skin, punctuates the skin at a second position displaced from the first position.

DETAILED DESCRIPTION - A micro-sized device comprises:

(a) a plaster for attaching the device to a skin;

(b) a punctuation needle movable between a first position in which the needle is positioned immediately above the skin and a second position where the needle extends into the adjacent skin; and

(c) a repositioning mechanism for, when the needle is in its position above the skin, the needle is moved so that during the next punctuation of the skin, punctuates the skin at a second position displaced from the first position.

An INDEPENDENT CLAIM is included for a method of using a device comprising applying the device at a skin. A needle is adapted to

punctuate a membrane and a skin. A pump is activated for the removal of fluid, such as blood into the needle and to a transparent portion. The fluid is analyzed by an analysis unit. A medical agent is pumped via the needle into the skin.

USE - The medical device is used for the analysis of blood data, such as testing for glucose, oxygen, or carbon dioxide in the blood, by repeated sampling through the skin of a patient.

ADVANTAGE - The invention can be carried at the skin without preventing normal behavior of the patient. It **communicates wirelessly** with a control computer and/or a central computer.

DESCRIPTION OF DRAWING(S) - The figure is a cross-sectional view of the apparatus.

Skin (2)

Plaster (3)

pp; 18 DwgNo 5/13

Title Terms: MICRO; SIZE; DEVICE; ANALYSE; BLOOD; DATA; GLUCOSE; REPEAT; SAMPLE; THROUGH; SKIN; PATIENT; COMPRISE; PLASTER; PUNCTUATION; NEEDLE; REPOSITION; MECHANISM

Derwent Class: B04; P31; S03; S05; T01

International Patent Class (Main): A61B-005/155

File Segment: CPI; EPI; EngPI

13/5/19 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

014745260 **Image available**

WPI Acc No: 2002-565967/200260

XRPX Acc No: N02-448050

RF **remote control device operation method for finding home appliance, involves decoding** signal transmitted **corresponding to user's button input and accordingly emits audible/visible** signal **indicating location of objects**

Patent Assignee: HWANG S (HWAN-I)

Inventor: HWANG S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020070855	A1	20020613	US 2000732789	A	20001211	200260	B

Priority Applications (No Type Date): US 2000732789 A 20001211

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020070855	A1		12	G08B-001/08	

Abstract (Basic): US 20020070855 A1

NOVELTY - A coded **signal** corresponding to user's button press input is **transmitted** to a receiver. The receiver which is connected to an object of user's interest, decodes the **transmitted** coded **signal** and accordingly emits audible and visible **signals** showing the location of the object.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for **radio frequency** remote control device.

USE - For finding objects such as important home appliances, first aid kid, **medicine container** , remote control, key chain, etc.

ADVANTAGE - Since audible and visible **signals** are emitted, the user can find objects quickly and easily even in dark environment.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram **radio frequency transmitter** .

pp; 12 DwgNo 1/5
Title Terms: **RF** ; REMOTE; CONTROL; DEVICE; OPERATE; METHOD; FINDER; HOME; APPLIANCE; DECODE; **SIGNAL** ; **TRANSMIT** ; CORRESPOND; USER; BUTTON; INPUT; ACCORD; EMIT; AUDIBLE; VISIBLE; **SIGNAL** ; INDICATE; LOCATE; OBJECT
Derwent Class: W02; W03; W05; W06
International Patent Class (Main): G08B-001/08
International Patent Class (Additional): G08B-021/00; H04Q-007/00
File Segment: EPI

13/5/20 (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014727193 **Image available**
WPI Acc No: 2002-547897/200258
XRAM Acc No: C02-155409
XRPX Acc No: N02-433742

Control device for drug delivery systems comprises processor controlled by set of program instructions, memory for storing instructions and user interface

Patent Assignee: UNIV ROCHESTER (UYRP)
Inventor: ADER R
Number of Countries: 100 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200249503	A2	20020627	WO 2001US49296	A	20011219	200258	B
AU 200236647	A	20020701	AU 200236647	A	20011219	200264	

Priority Applications (No Type Date): US 2000256633 P 20001219
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200249503	A2	E	21	A61B-000/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

AU 200236647	A		A61B-000/00	Based on patent WO 200249503

Abstract (Basic): WO 200249503 A2

NOVELTY - Control device comprises a processor controlled by a set of program instructions, a memory for storing program instructions and a user interface.

DETAILED DESCRIPTION - Control device for a drug delivery system comprises:

(a) a processor that is controlled by a set of program instructions that determine a partial reinforcement schedule for drug administration;

(b) a memory, coupled to the processor, for storing the set of program instructions and a set of parameters for the partial reinforcement schedule and

(c) a user interface, coupled to the processor, for enabling a user to input the set of parameters used by the partial reinforcement schedule. The processor, in executing the set of program instructions, delivers the effective dose of the drug, the placebo or ineffective dose of the drug, or both, to a patient according to the partial reinforcement schedule.

INDEPENDENT CLAIMS are included for the following:

(1) a drug delivery system comprising a housing, a first receptacle in the housing adapted to receive a first **container** comprising an effective dose of a **drug** , a second receptacle in the housing adapted to receive a second **container** comprising a placebo or an ineffective dose of the **drug** in fluid form, an outlet which, upon introduction of the first and second containers into the first and second receptacles, respectively, is **communicated** , pumps which act upon the first and second containers and the above control device and

(2) automatically modulating drug and placebo delivery to a patient which comprises connecting a fluid supply line of a patient to an outlet of a drug delivery system, programming the control device with a drug dosage rate for a predetermined period of time, and operating the drug delivery system for the predetermined period of time. Drug delivery during the predetermined period of time is modulated by delivery of the placebo and ineffective dose of the drug, either in whole or in part, during delivery events occurring during the predetermined period of time.

USE - Used for drug delivery system useful for delivering effective and placebo or ineffective doses of drugs (i.e., in fluid form).

ADVANTAGE - By capitalizing on conditioning which is an inherent component of drug therapy regimes, the prescription of partial schedules of pharmacotherapeutic reinforcement allows a reduction in the total amount of drug required to treat some pathophysiological condition or maintain some physiologic state within homeostatic limits. Under conditions where a clinician might want to increase the dose of medication but is constrained by toxic target organ effects, an ostensible increase in the amount of drug being taken can be achieved by holding dose constant but using conditioned stimuli to increase the number of occasions when medication apparently is administered. A modified partial pharmacotherapeutic reinforcement can capitalize on the ability of a conditioned stimulus (e.g., sound of drug delivery system, lights on the drug delivery system, or tactile sensation accompanying fluid delivery) to potentiate the effects of a low, ineffective, or minimally effective dose of an active drug. From the perspective of overall patient health, a partial pharmacotherapeutic reinforcement can reduce the magnitude of side effects because conditioned responses are not typically as large as unconditioned responses. If side effects are reduced, then adherence to the treatment protocol can be enhanced, providing greater therapeutic efficacy.

Partial pharmacotherapeutic reinforcement extends the effects of pharmacotherapeutic by increasing patient resistance to experimental extinction. Continued presentation of conditioned stimuli after cessation of drug administration extends the effects of active drug administration for a longer period of time as compared to patients that did not continue to receive conditioned stimuli and patients that had received a continuous schedule of pharmacologic reinforcement.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic diagram illustrating the drug delivery system that includes the inventive control device.

pp; 21 DwgNo 1/2

Title Terms: CONTROL; DEVICE; DRUG; DELIVER; SYSTEM; COMPRISE; PROCESSOR; CONTROL; SET; PROGRAM; INSTRUCTION; MEMORY; STORAGE; INSTRUCTION; USER; INTERFACE

Derwent Class: B07; P31

International Patent Class (Main): A61B-000/00

File Segment: CPI; EngPI

13/5/21 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

014677881 **Image available**
WPI Acc No: 2002-498938/200253
XRAM Acc No: C02-141317
XRPX Acc No: N02-394958

Pharmaceutical parenteral mixture-compounder comprises computer containing memory for storing process operation and control instructions

Patent Assignee: CZARNY R W (CZAR-I); KIRCHER J J (KIRC-I); LEWIS R E (LEWI-I); MILLER J E (MILL-I); NITZKI-GEORGE D M (NITZ-I)
Inventor: CZARNY R W; KIRCHER J J; LEWIS R E; MILLER J E; NITZKI-GEORGE D M

Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020035412	A1	20020321	US 99168695	A	19991203	200253 B
			US 2000729498	A	20001204	

Priority Applications (No Type Date): US 99168695 P 19991203; US 2000729498 A 20001204
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020035412	A1		25	G06F-017/00	Provisional application US 99168695

Abstract (Basic): US 20020035412 A1

NOVELTY - A pharmaceutical parenteral mixture-compounder comprises a computer that contains a memory for storing instructions for operating the apparatus and for controlling compounders that prepare a prescription mixture.

DETAILED DESCRIPTION - A pharmaceutical parenteral mixture-compounder adapted to selectively **transfer** prescribed amounts of pharmaceutical components from individual source containers through elongated hollow **transfer** device to a final **container** in order to prepare a **prescription** mixture, comprises a computer having a memory device for storing instructions for operating the apparatus and for controlling the compounders to prepare a prescribed mixture. The memory device includes data relating to pharmaceutical components that may be **transferred** to prepare the prescription mixture, and data concerning the operating characteristics of the compounders that the apparatus is adapted to control. The computer includes a **communication** port(s) for establishing a **communication** link with each compounder that is to be controlled. The computer is adapted to receive a prescription mixture, identify the pharmaceutical components, determine the compatibility of the pharmaceutical components relative to one another, determine the order in which the components are **transferred** in preparing the prescription mixture, and **communicate** the instructions for preparing the prescription mixture to the compounders that are to be used in preparing the prescription mixture.

An INDEPENDENT CLAIM is included for a method of controlling the operation of a pharmaceutical compounder comprising:

(1) receiving a prescription mixture in the computer;

(2) identifying and determining the amounts of the pharmaceutical components of the prescription mixture;

(3) determining the compatibility of the pharmaceutical components relative to one another;

(4) determining the order in which the components are **transferred** during the preparation of the prescription mixture;and

(5) **communicating** the instructions for preparing the prescription mixture to the compounder that is to be used in preparing the prescription mixture.

USE - For controlling the operation of pharmaceutical parenteral mixture compounder.

ADVANTAGE - The invention enhances the ability of the pharmacist to

efficiently formulate and safely compound mixture from the prescriptions. It allows the pharmacist to efficiently compensate for the accuracy limits of the compounder and inefficiencies in administering the parenteral nutrition mixtures to the patient such as the fluid which is lost in the administration sets. It controls the compounding to alert the users when recommended limits are not being adhered to and such alerts are not accidentally ignored. Also, it reduces instances or alerts users to the possibility of lipid hazing and the possibility that such lipid hazing will be accidentally mistaken for an unacceptable precipitate.

DESCRIPTION OF DRAWING(S) - The figure shows a perspective view of a compounder.

Transfer device (54)
Source container (56)
Final container (58)
pp; 25 DwgNo 3/4

Title Terms: PHARMACEUTICAL; PARENTERAL; MIXTURE; COMPOUND; COMPRISE; COMPUTER; CONTAIN; MEMORY; STORAGE; PROCESS; OPERATE; CONTROL; INSTRUCTION
Derwent Class: B07; S05; T01
International Patent Class (Main): G06F-017/00
File Segment: CPI; EPI

13/5/22 (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014604539 **Image available**
WPI Acc No: 2002-425243/200245
Related WPI Acc No: 2002-237598
XRPX Acc No: N02-334377

Associating medical device(s) with controller involves providing device identifier indicating device address obtained from data collector

Patent Assignee: DE LA HUERGA C (DHUE-I)
Inventor: DE LA HUERGA C
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020038392	A1	20020328	US 99426553	A	19991022	200245 B
			US 2001832770	A	20010411	
			US 2001833358	A	20010412	
			US 20014941	A	20011203	

Priority Applications (No Type Date): US 20014941 A 20011203; US 99426553 A 19991022; US 2001832770 A 20010411; US 2001833358 A 20010412
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020038392	A1		69	G06F-003/00	CIP of application US 99426553
					CIP of application US 2001832770
					CIP of application US 2001833358

Abstract (Basic): US 20020038392 A1

NOVELTY - A medical device(s) (10) is associated with a controller (260) that is remote from the medical device, by providing a device identifier that indicates a device address within a **communication** network. The device address is obtained from a data collector. The controller is associated with the device so that the controller can **communicate** with the device.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a **communication** apparatus for use with an infusion pump (100a, 100b) and

an intravenous (IV) bag including an information device, comprising an information obtainer for obtaining information for the information device, a tubing line linking the bag to a pump, a **communicator** linked to a processor, and a data bus between the **communicator** and the obtainer, in which the bus is attached to the tubing.

USE - For associating medical devices with controller unit.

ADVANTAGE - The method provides a system which enables simpler interfacing, which facilitates accurate prescription entry, verification that prescriptions are suitable at the time of delivery, avoidance of delivery of stale prescriptions, and accurate and automatic delivery record keeping.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic diagram of the IV system.

Medical device (10)
Infusion pump (100a, 100b)
Indicator (124a, 125a, 268)
IV bag (140a)
Identification tag (200a, 200b)
Controller (260)
pp; 69 DwgNo 26/48

Title Terms: ASSOCIATE; MEDICAL; DEVICE; CONTROL; DEVICE; IDENTIFY; INDICATE; DEVICE; ADDRESS; OBTAIN; DATA; COLLECT
Derwent Class: S05; T01; W05
International Patent Class (Main): G06F-003/00
File Segment: EPI

13/5/23 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

014584004
WPI Acc No: 2002-404708/200243
XRPX Acc No: N02-317697

Disposable container **maintenance/tracking/identification method in** drug **testing industry, involves separating** radio frequency **identification device from vial for reuse, after scanning RFID**

Patent Assignee: CAPITOL VIAL INC (CAPI-N)
Inventor: ABRAMS R S
Number of Countries: 027 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200221425	A2	20020314	WO 2001US27609	A	20010905	200243	B
AU 200188799	A	20020322	AU 200188799	A	20010905	200251	

Priority Applications (No Type Date): US 2000229917 P 20000905
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200221425	A2	E	8	G06K-000/00	

Designated States (National): AU BR CA CN JP KR MX US
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

AU 200188799	A		G08B-013/14	Based on patent WO 200221425

Abstract (Basic): WO 200221425 A2

NOVELTY - Date and unique identification of a vial are written to a **radio frequency** identification (RFID) device attached to the vial. Time and day information are written to the RFID after placing the sample specimen in the vial. The vial is **sent** to a laboratory for analysis. The RFID device is separated from the vial for reuse, after scanning the RFID.

USE - For maintaining, tracking and identifying the integrity of a disposable specimen **container** e.g. vial used in dairy and **drug** testing industries. Also used for tracking equipment such as pallets, trucks, dollies and boxes, etc and livestock.

ADVANTAGE - The integrity and sterility of the specimen sample are maintained by disposing the vial after each use. Also at the same time, the vial is recycled and the RFID device is continually reused.

pp; 8 DwgNo 0/0

Title Terms: DISPOSABLE; CONTAINER; MAINTAIN; TRACK; IDENTIFY; METHOD; DRUG ; TEST; INDUSTRIAL; SEPARATE; RADIO; FREQUENCY; IDENTIFY; DEVICE; VIAL; REUSE; AFTER; SCAN

Derwent Class: T05; W06; X25

International Patent Class (Main): G06K-000/00; G08B-013/14

File Segment: EPI

13/5/24 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

014561840

WPI Acc No: 2002-382543/200241

XRPX Acc No: N02-299459

Cargo container locating and database updating system for containers with machine readable ID tags has a mobile tag reader for storing a container ID and location and a database of container locations

Patent Assignee: PACECO CORP (PACE-N)

Inventor: NG T; TAKEHARA T

Number of Countries: 088 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200212996	A1	20020214	WO 2001US24458	A	20010802	200241	B
US 6356802	B1	20020312	US 2000632866	A	20000804	200241	
AU 200178160	A	20020218	AU 200178160	A	20010802	200244	

Priority Applications (No Type Date): US 2000632866 A 20000804

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200212996	A1	E	27	G06F-007/00	

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

US 6356802	B1	G06F-007/00	
AU 200178160	A	G06F-007/00	Based on patent WO 200212996

Abstract (Basic): WO 200212996 A1

NOVELTY - Containers are stored in locations in a repository, each location having an address. A mobile reader reads the ID tags on the **containers** and **transmits** these together with the location of the corresponding containers by **wireless** for storage in a central database. Each time a tag is read the database is checked to determine whether a container is in the correct location and is updated as necessary. The reader enables a search to be made for a lost container and the reader and the database enable each container to be located.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for

(a) a cargo container locating system

(b) and a method for locating cargo containers

USE - Keeping track of the location of cargo containers.

ADVANTAGE - Enables containers to be located easily and effectively with minimal search time for misplaced containers.

pp; 27 DwgNo 0/2

Title Terms: CARGO; CONTAINER; LOCATE; DATABASE; UPDATE; SYSTEM; CONTAINER; MACHINE; READ; ID; TAG; MOBILE; TAG; READ; STORAGE; CONTAINER; ID; LOCATE ; DATABASE; CONTAINER; LOCATE

Derwent Class: T01; T05; W06

International Patent Class (Main): **G06F-007/00**

File Segment: EPI

13/5/25 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

014561569 **Image available**

WPI Acc No: 2002-382272/200241

Related WPI Acc No: 2002-382271; 2002-382333; 2003-311046; 2003-428767

XRPX Acc No: N02-299235

Wireless communication **device e.g.** radio frequency **identification transponder has asymmetrically arranged conductive tabs which are connected to form dipole antenna**

Patent Assignee: MARCONI CORP PLC (MAON); MARCONI COMMUNICATIONS INC (MAON)

Inventor: FORSTER I J; KING P F

Number of Countries: 097 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200207085	A1	20020124	WO 2001GB3227	A	20010717	200241	B
AU 200170862	A	20020130	AU 200170862	A	20010717	200241	
US 6501435	B1	20021231	US 2000618505	A	20000718	200305	
			US 2000678271	A	20001003		
EP 1301901	A1	20030416	EP 2001949745	A	20010717	200328	
			WO 2001GB3227	A	20010717		

Priority Applications (No Type Date): US 2000678271 A 20001003; US 2000618505 A 20000718

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200207085	A1	E	49	G06K-019/077	
AU 200170862	A			G06K-019/077	Based on patent WO 200207085
US 6501435	B1			H01Q-009/28	CIP of application US 2000618505
EP 1301901	A1	E		G06K-019/077	Based on patent WO 200207085

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

Abstract (Basic): WO 200207085 A1

NOVELTY - The device (10) has two conductive tabs (100) arranged asymmetrically with respect to each other, which are connected to the device to form a dipole antenna (16A). The **wireless communication** device operates at a frequency selected from 2.45 GHz, 915 MHz and 13.56 MHz. The conductive tabs are lambda/2 or lambda/4 in length, and are arranged at right angles with respect to each other.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) **Wireless communication** device attachment method;
(b) **Wireless communication** system

USE - E.g. **radio frequency** identification transponder for tracking and identifying packages e.g. food packages, **medical** device packages and **containers** e.g. food or liquid **containers** , etc.

ADVANTAGE - The device **communicates** on different frequencies, so that one device can be used for various applications. The impedance of the antenna is not affected by the substrate.

DESCRIPTION OF DRAWING(S) - The figure shows an illustration of **wireless communication** device with slot antenna on a foil food package.

Wireless communication device (10)
Antenna (16A)
Conductive tabs (100)
pp; 49 DwgNo 2/17

Title Terms: **WIRELESS** ; **COMMUNICATE** ; DEVICE; RADIO; FREQUENCY; IDENTIFY; TRANSPONDER; ASYMMETRIC; ARRANGE; CONDUCTING; TAB; CONNECT; FORM; DIPOLE; ANTENNA
Derwent Class: W02; W06
International Patent Class (Main): G06K-019/077; H01Q-009/28
International Patent Class (Additional): H01Q-009/06
File Segment: EPI

13/5/26 (Item 16 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014551037 **Image available**
WPI Acc No: 2002-371740/200240
XRPX Acc No: N02-290534

Method for task manager to interact with user and provide user nearby information of moving object by processing query according to schedule, including querying computer to search database for information satisfying search criteria

Patent Assignee: CHAN J (CHAN-I); CHANG T (CHAN-I)
Inventor: CHAN J; CHANG T
Number of Countries: 096 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200217141	A2	20020228	WO 2001US26296	A	20010821	200240	B
US 20020052674	A1	20020502	US 2000227454	P	20000823	200240	
			US 2001935179	A	20010821		
AU 200185222	A	20020304	AU 200185222	A	20010821	200247	

Priority Applications (No Type Date): US 2000227454 P 20000823; US 2001935179 A 20010821
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200217141	A2	E	68	G06F-017/30	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

US 20020052674 A1	G05B-015/00	Provisional application US 2000227454	
AU 200185222 A	G06F-017/30	Based on patent WO 200217141	

Abstract (Basic): WO 200217141 A2

NOVELTY - A query for searching the desired information in a subset of geographic areas is scheduled including storing the query in a computer-readable storage. The query is processed according to the schedule, including querying the computer to search the database for information satisfying the search criteria. A result of the processing that identifies the information satisfying the search criteria is sent to the user.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for:

(a) a system for task manager to interact with a user and provide the user nearby information of a moving object

(b) a method for continuously searching local information

(c) a computer system comprising one or more computers connected to a computer network

USE - In information searching for mobile information devices, like hand-held computers and mobile phones, which have lower communication bandwidth by nature.

ADVANTAGE - A fast and convenient local information search system for a mobile information device user who is able to search and efficiently retrieve the information corresponding to the user's current location from Internet. Schedules several search events and chooses geographic search area with little or no overlap between the geographic areas of search events to retrieves user's nearby information along the travel path. Accessible to a Global Position System (GPS) or Network based positioning system, to track user's mobile position and to predict the future travel path. Uses historical search criteria to reduce the search results of current search criteria before transmitting the final results through the **wireless communication bottleneck** .

DESCRIPTION OF DRAWING(S) - The drawing shows a flowchart of user input process in task manager according to the present invention.

pp; 68 DwgNo 15/22

Title Terms: METHOD; TASK; MANAGE; INTERACT; USER; USER; NEARBY; INFORMATION; MOVE; OBJECT; PROCESS; QUERY; ACCORD; SCHEDULE; COMPUTER; SEARCH; DATABASE; INFORMATION; SATISFY; SEARCH; CRITERIA

Derwent Class: T01; W01; W02

International Patent Class (Main): G05B-015/00; **G06F-017/30**

File Segment: EPI

13/5/27 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

014519804 **Image available**

WPI Acc No: 2002-340507/200238

XRPX Acc No: N02-267670

Returnable containers tracking system for paper mill, calculates cost for usage of container, based on time when container is in control of user

Patent Assignee: GEORGIA PACIFIC CORP (GEOP)

Inventor: MCELREA C H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
CA 2354464	A1	20020201	CA 2354464	A	20010730	200238	B

Priority Applications (No Type Date): US 2000630259 A 20000801

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 2354464	A1	E	22	G06F-017/60	

Abstract (Basic): CA 2354464 A1

NOVELTY - A central computer (8) tracks the availability and location of returnable containers. The readers (6) connected to computers (14,21,28,32) read **radio frequency** identification (RFID) chips on **containers** to **forward container** status information to central computer which calculates cost for selected container usage based on time when selected container is in control of user.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for returnable container distribution tracking method.

USE - For tracking and controlling flow of rented returnable containers used for transporting goods between manufacturers and customers in paper mills. Also for other reusable/returnable packaging for vehicle parts, baked goods, fresh products, etc.

ADVANTAGE - Provides the ability to ascertain location of each container at all times for calculating the time when the container is under user's control, so that users be claimed accountable for loss or damage of containers. Provides improved tracking capabilities for returnable containers enhancing greater utilization of containers. Central computer tracks the status of containers throughout the distribution system for facilitating placement, sourcing, inventory management and billing or returnable containers.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic representation of distribution system for returnable containers.

Readers (6)
Central computer (8)
Computers (14,21,28,32)
pp; 22 DwgNo 2/4

Title Terms: RETURN; CONTAINER; TRACK; SYSTEM; PAPER; MILL; CALCULATE; COST ; CONTAINER; BASED; TIME; CONTAINER; CONTROL; USER
Derwent Class: T01; X25
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

13/5/28 (Item 18 from file: 350)

014494218 **Image available**
WPI Acc No: 2002-314921/200235
Related WPI Acc No: 2002-382247
XRAM Acc No: C02-091537
XRPX Acc No: N02-246525

Medication **package for, e.g. tracking usage of** medications , **comprises** medication container , **electronic monitoring circuit, breakable closure, environment sensor,** radio frequency **transceiver and antenna, and power supply**

Patent Assignee: NIEMIEC M A (NIEM-I); DDMS HOLDINGS LLC (DDMS-N)
Inventor: NIEMIEC M A
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020017996	A1	20020214	US 2000611582	A	20000707	200235	B
			US 2001901475	A	20010709		
US 6574166	B2	20030603	US 2000611582	A	20000707	200339	
			US 2001901475	A	20010709		

Priority Applications (No Type Date): US 2001901475 A 20010709; US 2000611582 A 20000707
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes

US 20020017996 A1 21 G08B-023/00 CIP of application US 2000611582
US 6574166 B2 G04B-047/00 CIP of application US 2000611582

Abstract (Basic): US 20020017996 A1

NOVELTY - A **medication** package comprises a **medication container** with storage cells; an electronic monitoring circuit; breakable closure(s) associated with the storage cell; environment sensor(s); a **radio frequency** (**RF**) transceiver; an **RF** antenna; and a power supply.

DETAILED DESCRIPTION - A medication package comprises:

(a) a **medication** (106) **container** having storage cells (110);

(b) an electronic monitoring circuit affixed to the **medication container** ;

(c) breakable closure(s) (104) associated with the storage cell;

(d) environment sensor(s) affixed to the **medication container** ;

(e) a **radio frequency** (**RF**) transceiver affixed to the **medication container** ;

(f) an **RF** antenna affixed to the **medication container** ; and

(g) a power supply.

The breakable closure further comprises a severable conductor near the storage cell. It secures a unit of medication, and is connected to the electronic monitoring circuit. The environment sensor(s) and the **RF** transceiver are connected to the electronic monitoring circuit. The **RF** sensor is connected to the **RF** transceiver. The severable conductor(s) (108) is severed upon breaking of the breakable closure. The severance is detected by the monitoring circuit. The data associated with the environment sensor is acquired by the electronic monitoring circuit. The **RF** transceiver **transmits** the data associated with the severance and the data associated with the environment sensor(s). The data is radiated from the **RF** antenna.

An INDEPENDENT CLAIM is also included for a method of monitoring the environment of a package for medication comprising:

(i) providing a network of monitoring stations;

(ii) providing managed medication packaging for medication(s) with threshold information;

(iii) dispensing the managed medication packaging for medication(s) to a patient;

(iv) monitoring environmental exposures through the monitoring circuitry associated with the medication package;

(v) monitoring through the monitoring circuit associated with the medication package, the condition of severable conductors associated with the package; and

(vi) **transmitting** from the medication package to a monitoring station, data associated with the condition of the severable conductors and the environmental sensor.

USE - The package is used for tracking usage of, and delivering medications to patients.

ADVANTAGE - The inventive package tracks usage, prevents errors in the delivery of medical treatment, monitors the delivery of medication to patients, and insures that the medications are administered to patients at prescribed times.

DESCRIPTION OF DRAWING(S) - The figure shows a **medication** package with severable conductors, with the conductors between a **container** and a breakable closure layer.

Breakable closure (104)
Medication (106)
Severable conductor (108)
Storage cells (110)
pp; 21 DwgNo 1/8

Title Terms: MEDICATE; PACKAGE; TRACK; MEDICATE; COMPRISE; MEDICATE;

CONTAINER; ELECTRONIC; MONITOR; CIRCUIT; BREAK; CLOSURE; ENVIRONMENT; SENSE; RADIO; FREQUENCY; TRANSCEIVER; ANTENNA; POWER; SUPPLY
Derwent Class: B07; Q34; S05; T01; W05
International Patent Class (Main): G04B-047/00; G08B-023/00
International Patent Class (Additional): B65D-083/04; G04B-047/06; G08B-013/14
File Segment: CPI; EPI; EngPI

13/5/29 (Item 19 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014406408 **Image available**
WPI Acc No: 2002-227111/200228
XRAM Acc No: C02-069145
XRPX Acc No: N02-174320

Hybrid neuroprosthesis apparatus for treating brain disorders comprises drug delivery element, drug driving element, recording electrode and microcontroller

Patent Assignee: UNIV NEW YORK STATE RES FOUND (UYNY)
Inventor: KOVACS L; LUDVIG N
Number of Countries: 096 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200211703	A1	20020214	WO 2001US24870	A	20010809	200228	B
AU 200181190	A	20020218	AU 200181190	A	20010809	200244	
US 6497699	B1	20021224	US 2000634172	A	20000809	200303	
EP 1311245	A1	20030521	EP 2001959659	A	20010809	200334	
			WO 2001US24870	A	20010809		

Priority Applications (No Type Date): US 2000634172 A 20000809
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200211703	A1	E	34	A61K-009/22	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200181190	A		A61K-009/22	Based on patent WO 200211703
US 6497699	B1		A61M-005/14	
EP 1311245	A1	E	A61K-009/22	Based on patent WO 200211703

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

Abstract (Basic): WO 200211703 A1

NOVELTY - Hybrid neuroprosthesis apparatus (100) comprises:

(1) a drug delivery element implanted in a subject for delivering at least one drug solution to the brain (106);

(2) a drug driving element for delivering drug to the delivery element;

(3) a recording electrode (120) implanted in the brain for outputting an electrical **signal** characteristic of an electrical activity of the brain; and

(4) a microcontroller

DETAILED DESCRIPTION - Hybrid neuroprosthesis apparatus (100) comprises:

(1) a drug delivery element implanted in a subject for delivering at least one drug solution to the brain (106);

(2) a drug driving element for delivering drug to the delivery element;

(3) a recording electrode (120) implanted in the brain for outputting an electrical **signal** characteristic of an electrical activity of the brain; and

(4) a microcontroller for adjusting the driving element relative to the electrical **signal** .

USE - Used for treating brain disorders, particularly stroke, epilepsy, Alzheimer's disease, and Parkinson's disease.

ADVANTAGE - The apparatus acts as an electrophysiological data recorder and drug delivery device and monitors the electrical activity of a dysfunctioning brain area and corrects the dysfunction by delivering drugs into the environment of the abnormal neurons. With the drugs, neuron- and synapse-specific actions are achieved.

DESCRIPTION OF DRAWING(S) - The drawing shows a hybrid neuroprosthesis subcutaneously disposed in a human head.

Hybrid neuroprosthesis apparatus (100)

Recording electrode (120)

Brain (106)

pp; 34 DwgNo 1A, 1B/5

Title Terms: HYBRID; APPARATUS; TREAT; BRAIN; DISORDER; COMPRISE; DRUG; DELIVER; ELEMENT; DRUG; DRIVE; ELEMENT; RECORD; ELECTRODE

Derwent Class: A96; B07; P34

International Patent Class (Main): A61K-009/22; A61M-005/14

International Patent Class (Additional): A61K-009/02; A61M-031/00

File Segment: CPI; EngPI

13/5/30 (Item 20 from file: 350)

DIALOG(R)File 350:Derwent WPIX

014241006 **Image available**

WPI Acc No: 2002-061706/200208

XRPX Acc No: N02-045813

Vacancy generating method for digital transmission container e.g. web page, involves permitting consumer to specify set of properties for each vacancy using received graphical representation

Patent Assignee: QUANTUMSTREAM (QUAN-N)

Inventor: AKADIRI T; BARRETT R; CARTER M; JEPSON B; SADASIV A R

Number of Countries: 093 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200122260	A2	20010329	WO 2000US25829	A	20000921	200208	B
AU 200140197	A	20010424	AU 200140197	A	20000921	200208	

Priority Applications (No Type Date): US 2000630720 A 20000802; US 99155015 P 19990921; US 2000532048 A 20000321; US 2000597585 A 20000620

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200122260	A2	E	88	G06F-017/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200140197	A		G06F-017/00	Based on patent WO 200122260

Abstract (Basic): WO 200122260 A2

NOVELTY - A document with a set of vacancy elements each

designating vacancy is stored in a vacancy provider (102). On receipt of converted document with graphical representation corresponding to the vacancy element, the consumer (108) is allowed to specify a set of properties for each vacancy using the graphical representation.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Vacancy providing method;
(b) Computer implemented method for generating vacancies;
(c) Vacancies generating apparatus;
(d) Computer readable medium for storing vacancies generating program;
(e) Computer readable medium for storing instructions for performing vacancy providing method;
(f) Method for creating vacancies for distributing content;
(g) Method for matching content with vacancy;
(h) Method for filling vacancy;
(i) Method for receiving content on consumer computer;
(j) Content selection and distribution method for trading content and vacancies on network;
(k) Digital content distributing method;
(l) Memory for storing data which are accessed by process executed by processor;
(m) Vacancies creating system;
(n) System for matching content with vacancy;
(o) Vacancy filling system;
(p) System for receiving content on consumer computer;
(q) System for distributing digital content;
(r) System for creating units of content for vacancies;
(s) Computer readable medium for controlling data processing system

USE - For distributing digital content associated with **container** provided in digital **transmission** like television or radio programming, web pages, pager, personal digital assistants, **wireless** telephones, computer network e.g. Internet and the like.

ADVANTAGE - By providing the primary and secondary contents and combining the diverse area at commerce into a single universally accessible system to all content providers, the system can explicitly target large consumers and maximize their revenues. Trading and placing content within containers enable both content owners and container owners to obtain full commercial benefit of their content and containers. Enables receiving content for containers in real time and obtains value based returns for permitting secondary content providers to fill these containers with content.

DESCRIPTION OF DRAWING(S) - The figure shows a content trading and placement distribution system.

Vacancy provider (102)
Consumer (108)
pp; 88 DwgNo 1/12

Title Terms: VACANCY; GENERATE; METHOD; DIGITAL; TRANSMISSION; CONTAINER; WEB; PAGE; PERMIT; CONSUME; SPECIFIED; SET; PROPERTIES; VACANCY; RECEIVE; GRAPHICAL; REPRESENT

Derwent Class: T01; W01; W02; W05

International Patent Class (Main): **G06F-017/00**

File Segment: EPI

13/5/31 (Item 21 from file: 350)

DIALOG(R)File 350:Derwent WPIX

014209102

WPI Acc No: 2002-029799/200204

XRAM Acc No: C02-008702

Heat resistant polyester resin for molded products, has endothermic peak(s) of melting point appearing at preset temperature and has specific intrinsic viscosity in mixture of phenol and 1,1,2,2-tetrachloroethane

Patent Assignee: MITSUBISHI RAYON CO LTD (MITR)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2001261804	A	20010926	JP 200071232	A	20000314	200204	B

Priority Applications (No Type Date): JP 200071232 A 20000314
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001261804	A		7	C08G-063/672	

Abstract (Basic): JP 2001261804 A

NOVELTY - A heat resistant polyester resin (PR) contains terephthalic acid or 2,6-naphthalene dicarboxylic acid as dicarboxylic acid component and tetramethylene glycol as glycol component. PR has intrinsic viscosity of 0.55-1.40 dl/g at 25degreesC in mixed solvent of phenol and 1,1,2,2-tetrachloroethane. Endothermic peak(s) of the melting point of PR measured by differential scanning calorimetry appears at 180-250degreesC.

DETAILED DESCRIPTION - The heat resistant polyester resin contains terephthalic acid or 2,6-naphthalene dicarboxylic acid as dicarboxylic acid component and tetramethylene glycol as glycol component. The amount of resin modification is 3-20 mole%. The polyester resin contains 0.5-6 mole% of 2C or more polyether and has intrinsic viscosity of 0.55-1.40 dl/g at 25degreesC in a mixed solvent of phenol and 1,1,2,2-tetrachloroethane mixed in the mass ratio of 1:1. At least one endothermic peak of the melting point of polyester measured by differential scanning calorimetry is in the range of 180-250degreesC. INDEPENDENT CLAIMS are also included for the following: (i) Polyester sheet formed from polyester resin. The polyester sheet has initial haze value of 10% or less. The rise in haze value of the sheet is 3% or less of the initial value after carrying out hot water processing at 80degreesC for 30 minutes. The rise in haze value is 5% or less of the initial value after carrying out boiling water processing for 30 minutes at 100degreesC; and (ii) Molded product obtained by molding the polyester sheet. The molded product has shrinkage percentage of 1% or less and 2% or less after performing hot water process at 80degreesC for 30 minutes and boiling water process at 100degreesC for 30 minutes, respectively.

USE - For polyester molded products (claimed) such as packaging films, fibers, food, **medical containers** and **bottle** for beverages.

ADVANTAGE - The polyester molded product has high transparency, moldability and heat resistance. The molded food container can be used for sterilization at high temperature, filling at high temperature and can be cooked in a **micro**wave oven.

pp; 7 DwgNo 0/0

Title Terms: HEAT; RESISTANCE; POLYESTER; RESIN; MOULD; PRODUCT; ENDOTHERMIC; PEAK; MELT; POINT; APPEAR; PRESET; TEMPERATURE; SPECIFIC; INTRINSIC; VISCOSITY; MIXTURE; PHENOL
Derwent Class: A23; A92
International Patent Class (Main): C08G-063/672
International Patent Class (Additional): C08J-005/18; C08L-067-02
File Segment: CPI

13/5/32 (Item 22 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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014126869
WPI Acc No: 2001-611079/200170
Related WPI Acc No: 1995-200261
XRAM Acc No: C01-182445
XRPX Acc No: N01-456182
Multiple layer thermoplastic structure for manufacturing medical **-grade products, such as plastic** containers **, comprises skin layer and four-component** radio frequency **susceptible layer**
Patent Assignee: BAXTER INT INC (BAXT)
Inventor: ANDERSON K M K; CRAMER C S; DING Y S; KALYANKAR V; LING M T K; NEBGEN G; ROSENBAUM L A; SCHARF M; SHAH K; WOJNAROWSKI R; WOO L; ZAKARIJA L G
Number of Countries: 029 Number of Patents: 007
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200156783	A1	20010809	WO 2001US3993	A	20010207	200170 B
AU 200136756	A	20010814	AU 200136756	A	20010207	200173
US 6461696	B1	20021008	US 93153602	A	19931116	200269
			US 99334957	A	19990617	
			US 2000498674	A	20000207	
BR 200107948	A	20021022	BR 20017948	A	20010207	200278
			WO 2001US3993	A	20010207	
EP 1259374	A1	20021127	EP 2001908946	A	20010207	200302
			WO 2001US3993	A	20010207	
KR 2002076288	A	20021009	KR 2002710138	A	20020806	200314
CN 1396862	A	20030212	CN 2001804141	A	20010207	200335

Priority Applications (No Type Date): US 2000498674 A 20000207; US 93153602 A 19931116; US 99334957 A 19990617
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200156783	A1	E	41	B32B-027/08	
Designated States (National): AU BR CA CN JP KR MX SG					
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR					
AU 200136756	A			B32B-027/08	Based on patent WO 200156783
US 6461696	B1			B32B-027/08	Cont of application US 93153602 CIP of application US 99334957 Cont of patent US 5998019 CIP of patent US 6621655
BR 200107948	A			B32B-027/08	Based on patent WO 200156783
EP 1259374	A1	E		B32B-027/08	Based on patent WO 200156783
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR					
KR 2002076288	A			B32B-027/08	
CN 1396862	A			B32B-027/08	

Abstract (Basic): WO 200156783 A1

NOVELTY - A multiple layer thermoplastic structure comprises skin layer of polypropylene or ethylene homopolymers optionally blended with an ethylene and alpha-olefin copolymer; and a **radio frequency** susceptible layer comprising first polyolefin, a second polyolefin, **radio frequency** susceptible polymer, and compatibilizing agent of a styrene and hydrocarbon polymer.

DETAILED DESCRIPTION - A multiple layer thermoplastic structure comprises:

(a) skin layer of polypropylene, ethylene homopolymers having a density of 0.93-0.96 g/cc or ethylene homopolymers having a density of

0.93-0.96 g/cc blended with an ethylene and alpha-olefin copolymer having a density less than 0.93 g/cc. The skin layer has a thickness of greater than 3 mils; and

(b) a **radio frequency** (**RF**) susceptible layer is adhered to the skin layer. The **RF** susceptible layer has a dielectric loss greater than 0.05 at 1-60 MHz and at ambient to 250degreesC. This layer comprises

(i) polypropylene or polypropylene copolymers as a first polyolefin;

(ii) ethylene copolymer, ultra-low density polyethylene, polybutylene, or butene ethylene copolymers as a second polyolefin;

(iii) **RF** susceptible polymer comprises (i) ethylene copolymers (with 50-85 % ethylene), (meth)acrylic acid, ester derivatives of (meth)acrylic acid with 1-10C alcohols, vinyl acetate, or vinyl alcohol, or (ii) homopolymers and copolymers comprising segment(s) of urethanes, esters, ureas, imides, sulfones, or amides; and

(iv) a compatibilizing agent of a styrene and hydrocarbon copolymer.

The structure when fabricated into a 50 ml container has a water vapor **transmission** rate of less than 8 wt.% after the container has been autoclaved at 121degreesC for 20 min and stored for 90 days in an environmentally regulated compartment with 15 % relative humidity at 40degreesC.

USE - For use in manufacturing medical -grade products, e.g. plastic **containers** or **medical** tubing.

ADVANTAGE - The thermoplastic structure when fabricated into a 50-mL container has a water vapor **transmission** rate of less than 8 wt.% after the container has been autoclaved at 121degreesC for 20 or 30 minutes and stored for 90 days in an environmentally regulated compartment having 15 % relative humidity at 40degreesC. The structure has a modulus of elasticity of less than 150,000 psi, a content of less than 0.1 % elemental halogens, a low molecular weight water-soluble fraction of less than 0.1 %, a maximum dielectric loss of at least 0.05 at 1-60 MHz and 25-250degreesC, and an autoclave resistance of at most 60 % measured by sample creep at 121degreesC under 27 psi loading. It does not strain whiten after being strained at 20 inches per minute at 100 % elongation.

pp; 41 DwgNo 0/15

Title Terms: MULTIPLE; LAYER; THERMOPLASTIC; STRUCTURE; MANUFACTURE; MEDICAL; GRADE; PRODUCT; PLASTIC; CONTAINER; COMPRISE; SKIN; LAYER; FOUR; COMPONENT; RADIO; FREQUENCY; SUSCEPTIBILITY; LAYER

Derwent Class: A18; A92; B07; P73

International Patent Class (Main): B32B-027/08

International Patent Class (Additional): B32B-027/30; B32B-027/32; B32B-027/34; B32B-027/40

File Segment: CPI; EngPI

13/5/33 (Item 23 from file: 350)

DIALOG(R)File 350:Derwent WPIX

014038035

WPI Acc No: 2001-522248/200157

XRPX Acc No: N01-387048

Label for storing information about a medicine taken by a visually or otherwise impaired person includes a memory on a substrate and a transceiver which can store or read data to or from the memory

Patent Assignee: EN-VISION AMERICA INC (ENVI-N)

Inventor: RAISTRICK D; RAISTRICK P

Number of Countries: 038 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200154055	A1	20010726	WO 2001US2162	A	20010123	200157 B
AU 200131077	A	20010731	AU 200131077	A	20010123	200171

Priority Applications (No Type Date): US 2001761935 A 20010117; US 2000490681 A 20000124
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200154055	A1	E	42	G06K-015/00	
	Designated States (National): AT AU BR CA CH CN DE DK ES FI GB HU ID IL IN JP KP KR LU MX NO NZ PL PT SE SG TR VN YU ZA				
	Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR				
AU 200131077	A			G06K-015/00	Based on patent WO 200154055

Abstract (Basic): WO 200154055 A1

NOVELTY - The label may consist of a bar code or a **radio frequency** identification label with a built in transceiver. A reader scans the label located on a **medicine container** or the transceiver **transmits** the information stored in the memory in the label. The information is decoded into text information for dissemination either audibly or visually depending on the requirements of the user. The information is stored in the label when the **medicine** is placed in its **container** .

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for

(a) a combination of a label and a bar code

(b) a combination of a **radio frequency** label and retrieval device

(c) a retriever for processing data about a medicine

(d) a method of assuring proper administration of medicine

(e) and apparatus for a visually or otherwise impaired person to determine information about a medicine.

USE - Labeling medicines.

ADVANTAGE - Easy and effective way of providing information about a medicine.

pp; 42 DwgNo 0/11

Title Terms: LABEL; STORAGE; INFORMATION; MEDICINE; VISUAL; IMPAIR; PERSON; MEMORY; SUBSTRATE; TRANSCEIVER; CAN; STORAGE; READ; DATA; MEMORY
Derwent Class: S05; T04
International Patent Class (Main): G06K-015/00
International Patent Class (Additional): G06K-007/10; G06K-019/06
File Segment: EPI

13/5/34 (Item 24 from file: 350)

014018438 **Image available**
WPI Acc No: 2001-502652/200155
XRAM Acc No: C01-151208
XRPX Acc No: N01-372767

Heating system for in-line warming of physiological or medical **fluid to be infused into patient, comprises fluid** container **, flexible supply conduit,** infrared **light source, and distributed converting and heat exchanging mechanism**

Patent Assignee: A ATLANTIS SA (AATL-N)
Inventor: CAVADINI A

Number of Countries: 090 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200156638	A1	20010809	WO 2000EP804	A	20000202	200155	B
AU 200039592	A	20010814	AU 200039592	A	20000202	200173	
			WO 2000EP804	A	20000202		

Priority Applications (No Type Date): WO 2000EP804 A 20000202
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200156638	A1	E	17	A61M-005/44	

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200039592	A	A61M-005/44	Based on patent WO 200156638

Abstract (Basic): WO 200156638 A1

NOVELTY - A heating system comprises a fluid container, a flexible supply conduit connected to the container, an **infrared** light source connected to one end of a guide, and a distributed converting and heat exchanging mechanism connected to the other end of the guide. The supply conduit terminates at its one end with an infusion device.

DETAILED DESCRIPTION - A heating system comprises a **container** (2) of **medical** fluid to be infused into a patient. A flexible supply conduit (31, 34) is connected to the container and terminates at its one end with an infusion device (5). An **infrared** light source (10) is connected to one end of a guide (37) that is adapted to propagate the **infrared** (IR) radiation emitted by the light source. A distributed converting and heat exchanging mechanism (33) is connected to the other end of the guide. It receives the IR power from the light source and converts it into heat that is then progressively **transferred** to the fluid flowing along the flexible supply conduit.

USE - For in-line warming of physiological or medical fluid e.g., blood or blood products, to be infused into a patient.

ADVANTAGE - The inventive system can effectively and quickly warm the physiological or medical fluid to a proper body temperature with great safety. It avoids the use of electrical conductors, eliminates the need of additional fluids and mechanical moving parts (e.g., pumps), and can warm the fluid easily and controllably without altering the flexibility of the fluid supply conduit.

DESCRIPTION OF DRAWING(S) - The figure shows the heating system.
Fluid container (2)
Infusion device (5)
Infrared light source (10)
Flexible supply conduit (31, 34)
Distributed converting and heat exchanging mechanism (33)
Guide (37)
pp; 17 DwgNo 3/5

Title Terms: HEAT; SYSTEM; LINE; WARM; PHYSIOLOGICAL; MEDICAL; FLUID; INFUSION; PATIENT; COMPRISE; FLUID; CONTAINER; FLEXIBLE; SUPPLY; CONDUIT; **INFRARED** ; LIGHT; SOURCE; DISTRIBUTE; CONVERT; HEAT; EXCHANGE; MECHANISM
Derwent Class: B07; P34
International Patent Class (Main): A61M-005/44
File Segment: CPI; EngPI

13/5/35 (Item 25 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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013923754 **Image available**
WPI Acc No: 2001-407967/200143
XRPX Acc No: N01-301880
Internet based dual-mode communication **system for remote monitoring of mobile assets, switches between packet switched network and circuit switched network depending upon** communication **status**
Patent Assignee: GENERAL ELECTRIC CO (GENE)
Inventor: DAVENPORT D M
Number of Countries: 094 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200131844	A2	20010503	WO 2000US29321	A	20001024	200143	B
AU 200111029	A	20010508	AU 200111029	A	20001024	200149	
BR 200015085	A	20020618	BR 200015085	A	20001024	200249	
			WO 2000US29321	A	20001024		
EP 1228495	A2	20020807	EP 2000972355	A	20001024	200259	
			WO 2000US29321	A	20001024		

Priority Applications (No Type Date): US 99162301 P 19991028
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200131844	A2	E	21	H04L-012/00	
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW					
AU 200111029	A			H04L-012/00	Based on patent WO 200131844
BR 200015085	A			H04L-012/00	Based on patent WO 200131844
EP 1228495	A2	E		G08G-001/127	Based on patent WO 200131844
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					

Abstract (Basic): WO 200131844 A2

NOVELTY - The database located at the remote asset (10) stores data, for **communication** between remote asset and monitoring facility (15). The **communication** system switches between packet switched network (25) and circuit switched network (40) depending upon the **communication** state which is in use among several states.

DETAILED DESCRIPTION - The **communication** states including asset monitoring state, polling state, asset diagnostic state and help state, are interrelated with one another based on a predetermined **communication** protocol. A central processor unit manages the **sending** and receiving of data gathered by a data gathering module e.g. sensor. The network interfaces located at remote asset have **radio frequency** transceivers for allowing access to the networks (25,40) based on the status of **communication** . An INDEPENDENT CLAIM is also included for data **transferring** method.

USE - For data **communication** networks e.g. internet. For exchange of data and bursty messages for remote monitoring of mobile or transportable assets e.g. **containers** , rail cars, trailers, power generators, **medical** diagnostic equipment, automobiles, trucks, locomotive.

ADVANTAGE - The packet network permits continuous and parallel monitoring of asset status while the circuit network provides dedicated information exchange with individual asset. Due to dual mode switching

between packet and circuit networks, data are transmitted at a high cyclic rate. Hence, the data **transmission** efficiency is increased.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic diagram of dual switched mode **communication** system.

Remote asset (10)
Monitoring facility (15)
Packet switched network (25)
Circuit switched network (40)
pp; 21 DwgNo 1/6

Title Terms: BASED; DUAL; MODE; **COMMUNICATE** ; SYSTEM; REMOTE; MONITOR; MOBILE; SWITCH; PACKET; SWITCH; NETWORK; CIRCUIT; SWITCH; NETWORK; DEPEND ; **COMMUNICATE** ; STATUS
Derwent Class: W01; W02; W05; X22; X23
International Patent Class (Main): G08G-001/127; H04L-012/00
File Segment: EPI

13/5/36 (Item 26 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013857816 **Image available**
WPI Acc No: 2001-342029/200136
Related WPI Acc No: 1997-154375; 1998-542814; 2001-520903
XRPX Acc No: N01-247590

Sensor system for measuring characteristics of container **used for** medical **intravenous feeding solution, has processing module generating** microwave signals **and analyzing reflected** signals **from contents of container**

Patent Assignee: ZEVEX INC (ZEVE-N)
Inventor: BLAINE D
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6192752	B1	20010227	US 95511380	A	19950804	200136 B
			US 97831205	A	19970402	
			US 9854354	A	19980402	

Priority Applications (No Type Date): US 9854354 A 19980402; US 95511380 A 19950804; US 97831205 A 19970402
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6192752	B1		32	G01F-023/00	CIP of application US 95511380
					CIP of application US 97831205
					CIP of patent US 5789675
					CIP of patent US 6023970

Abstract (Basic): US 6192752 B1

NOVELTY - An electromagnetic sensor (16) **transmits microwave signals** and a detector detects the reflected **microwave signals** from the contents of the container. A processing module (20) has an oscillator generating **microwave signals** and a detector for detecting and analyzing the **signals** . A programmable controller activates the oscillator, in a sensing mode and deactivates it in the sleep mode.

DETAILED DESCRIPTION - The sensor system (10) is powered by a battery (50). The sensor is a multiport coupler for **microwave** frequencies. The multiport coupler includes an input port and two output ports. The detector is electrically connected to the electromagnetic sensor to receive reflected **microwave signals** . The

circuit processes the **signals** from two output ports of the multiport coupler by rectifying and integrating them and comparing the **signals** by a differential amplifier. The processing module is also electrically coupled to the electromagnetic sensor, analyzes the reflected **microwave signals** and provides a visual indication (32) and audio indication (34) that are activated when an alarm condition is detected. An INDEPENDENT CLAIM is also included for method for characterizing contents of a container using a sensor system.

USE - For **medical** intravenous solution **containers** or saline solutions used during ocular surgery, blood administered during transfusions, nutrient solutions administered via feeding pump.

ADVANTAGE - The sensor is programmed to vary its sleep mode periods and active mode period enabling its use for various contents and also increasing battery life. The use of **microwaves** has the advantage that normal container wall thickness is much smaller than the wavelength of the waves and reflected **signals** magnitudes depend only on the contents of the container. The sensor is not sensitive to container thickness.

DESCRIPTION OF DRAWING(S) - The figure shows the plan view of disposable fluid level sensor with attached processing module.

Sensor system (10)
Sensor (16)
Processing module (20)
Visual indication (32)
Audio indication (34)
Battery (50)
pp; 32 DwgNo 1/17

Title Terms: SENSE; SYSTEM; MEASURE; CHARACTERISTIC; CONTAINER; MEDICAL; INTRAVENOUS; FEED; SOLUTION; PROCESS; MODULE; GENERATE; **MICROWAVE** ; **SIGNAL** ; REFLECT; **SIGNAL** ; CONTENT; CONTAINER
Derwent Class: S02; S03; S05
International Patent Class (Main): G01F-023/00
File Segment: EPI

13/5/37 (Item 27 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013399836 **Image available**
WPI Acc No: 2000-571774/200053
XRAM Acc No: C00-170330
XRPX Acc No: N00-423025

Transparent electrode for use with radio frequency **identification security device comprises a conductive material applied to non-conductive surface, and a coupler**

Patent Assignee: MOTOROLA INC (MOTI)
Inventor: EBERHARDT N H; FLETCHER R R; VEGA V A
Number of Countries: 086 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200042678	A1	20000720	WO 2000US201	A	20000105	200053	B
AU 200028466	A	20000801	AU 200028466	A	20000105	200054	

Priority Applications (No Type Date): US 99228895 A 19990111
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200042678	A1	E	21	H01Q-001/32	

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW
AU 200028466 A H01Q-001/32 Based on patent WO 200042678

Abstract (Basic): WO 200042678 A1

NOVELTY - Transparent electrode (20, 22) is used in conjunction with **radio frequency** identification (RFID) device coupled to another device. It comprises a transparent conductive material (24, 26) applied to a non-conductive surface, and a coupler to electrically couple the conductive material to an electronic component (30).

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a method of creating a transparent electrode comprising depositing a transparent conductive material into a non-conductive surface, and coupling to an electronic component.

USE - For use with electrostatic RFID devices on exit doors where merchandise is sold, with inventory or manufacturing processes, and with RFID security devices to detect unauthorized removal of protected articles. Also used as windshield of cars, glass doors, and transparent **bottles** or vials for **medical** or laboratory purposes.

ADVANTAGE - Permits the transparent electrostatic electrodes to be placed away from the **transmitter** /receiver to reduce noise, and to provide for a larger antenna surface. Placing the electrodes to an object in an invisible manner provides aesthetic pleasing appearance.

DESCRIPTION OF DRAWING(S) - The figure shows a front elevational view of the transparent electrodes used on a transparent door in conjunction with an electrostatic RFID.

transparent electrodes (20,22)
transparent conductive material (24,26)
electronic component (30)
pp; 21 DwgNo 1A/9

Title Terms: TRANSPARENT; ELECTRODE; RADIO; FREQUENCY; IDENTIFY; SECURE; DEVICE; COMPRISE; CONDUCTING; MATERIAL; APPLY; NON; CONDUCTING; SURFACE; COUPLE
Derwent Class: L03; T05; T07; W02; W05; X22
International Patent Class (Main): H01Q-001/32
File Segment: CPI; EPI

13/5/38 (Item 28 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013333497 **Image available**
WPI Acc No: 2000-505436/200045
Related WPI Acc No: 1997-021563
XRPX Acc No: N00-373760

Microwave **system for sterilization of medical waste, produces and** transmits microwaves **from both ends of pressure vessel for sterilizing medical waste contained within pressure hull**

Patent Assignee: HEALTHBRIDGE INC (HEAL-N)
Inventor: ICE C L; LEONARD J W; MCCULLOUGH J V; SHERARD S
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6097015	A	20000801	US 95446442	A	19950522	200045	B
			US 95510287	A	19950802		
			US 96651920	A	19960521		
			US 98172028	A	19981014		

Priority Applications (No Type Date): US 98172028 A 19981014; US 95446442 A 19950522; US 95510287 A 19950802; US 96651920 A 19960521
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6097015	A		33	G05B-011/00	CIP of application US 95446442 CIP of application US 95510287 CIP of application US 96651920 CIP of patent US 5728310

Abstract (Basic): US 6097015 A

NOVELTY - The pressure hulls (12a,12b) are coupled mutually to form a treatment chamber (20) inside which a **medical** waste **container** (26) is placed. **Microwaves** generated by generator (32) are reflected by reflector (36) into chamber along linear guides (38,46) to generate steam and pressure for sterilizing medical waste. A liner (14) along sides of pressure hulls to focus **microwave** towards **medical** waste **container** .

DETAILED DESCRIPTION - **Microwave** generators (32) are provided at top and bottom sides of chamber. Water is fed into chamber via a nozzle (72).

USE - For sterilization of medical waste obtained from hospitals, doctor's offices, clinics, dental offices, laboratories, research facilities, nursing homes and funeral parlors.

ADVANTAGE - Provision of liner enables to use **microwaves** more efficiently, thus improving energy conversion efficiency. Does not require drains, thus making system more compact. Performs automatic control of sterilization process.

DESCRIPTION OF DRAWING(S) - The figure shows the cross-sectional view of pressure vessel of **microwave** vessel.

Pressure hulls (12a,12b)
Liner (14)
Treatment chamber (20)
Medical waste **container** (26)
Microwave generator (32)
Reflector (36)
Linear guides (34,36)
Nozzle (72)
pp; 33 DwgNo 1/28

Title Terms: **MICROWAVE** ; SYSTEM; MEDICAL; WASTE; PRODUCE; **TRANSMIT** ; **MICROWAVE** ; END; PRESSURE; VESSEL; MEDICAL; WASTE; CONTAIN; PRESSURE; HULL
Derwent Class: T06; X25
International Patent Class (Main): G05B-011/00
File Segment: EPI

13/5/39 (Item 29 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012891351 **Image available**
WPI Acc No: 2000-063186/200006
XRPX Acc No: N00-049475
Scannable identification device for luggage, waste container
Patent Assignee: PYPER PROD CORP (PYPE-N)
Inventor: FLESCH G J; HARD A L; HAYES D A
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
CA 2262963	A1	19990903	CA 2262963	A	19990303	200006	B

US 6206282 B1 20010327 US 9876617 A 19980303 200119
US 99260268 A 19990302

Priority Applications (No Type Date): US 9876617 P 19980303; US 99260268 A 19990302
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
CA 2262963 A1 E 13 G01S-013/75
US 6206282 B1 G06F-017/00 Provisional application US 9876617

Abstract (Basic): CA 2262963 A1
NOVELTY - Circuit board (20) inside a **container** for storing and **transmitting** information where a predetermined unique alphanumeric code is transmitted via **radio frequency** (**RF**) upon activation. A synthetic resinous support (10) molded to encapsulate the board providing barrier between board and environment. A circuit board reader selectively energizes the circuit board via RF to transmit the identification information.
USE - Luggage checking in buses, airplane and train. Waste container
ADVANTAGE - Prevents burglary since the information is not revealed without proper equipment. Easy to identify and prevents loss of the containers.
DESCRIPTION OF DRAWING(S) - The drawing shows to view of the support with embedded circuit board.
Support (10)
Circuit board (20)
pp; 13 DwgNo 1/4
Title Terms: SCAN; IDENTIFY; DEVICE; LUGGAGE; WASTE; CONTAINER
Derwent Class: P24; Q32; Q35; W06
International Patent Class (Main): G01S-013/75; **G06F-017/00**
International Patent Class (Additional): A45C-013/42; B65D-025/00; B65F-001/00
File Segment: EPI; EngPI

13/5/40 (Item 30 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012671927 **Image available**
WPI Acc No: 1999-478034/199940
XRAM Acc No: C99-140572
XRPX Acc No: N99-355811
Sterile connector for sterilizing empty or filled plastic containers
Patent Assignee: ENG & RES ASSOC INC (ENGR-N)
Inventor: PLEMONS R A
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
US 5932132 A 19990803 US 97974591 A 19971119 199940 B

Priority Applications (No Type Date): US 97974591 A 19971119
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
US 5932132 A 23 H05B-006/62

Abstract (Basic): US 5932132 A
NOVELTY - The appts. has pair of jaws for clamping containers, a source of **RF** energy **transmitted** across the jaws for heating and melting the plastic clamped between the jaws, a means for retaining the

fused material of the container walls to form a rupturable membrane between the containers. A shield is used to prevent the container walls fusing to one another. The **RF** energy is a function of the impedance between the pair of jaws. A seal is formed about the perimeter of the rupturable membrane by combining plastic from the plastic containers walls. The **RF** energy both sterilizes and welds the plastic material.

USE - In **medical** field for sterilization of empty or filled plastic **containers** where fluids are to be injected into living tissue, or when handling fluids that could cause environmental hazard or endanger health and safety.

ADVANTAGE - The method uses **RF** energy to sterilize and weld plastic containers to one another without the use ancillary instrumentation. The inter connection establishes fluid **communication** between containers on command.

DESCRIPTION OF DRAWING(S) - The drawing shows a typical application for interconnections.

pp; 23 DwgNo 10/26

Title Terms: STERILE; CONNECT; EMPTY; FILLED; PLASTIC; CONTAINER
Derwent Class: A35; A92; X25
International Patent Class (Main): H05B-006/62
File Segment: CPI; EPI

13/5/41 (Item 31 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012646843
WPI Acc No: 1999-452948/199938
XRAM Acc No: C99-133097
XRPX Acc No: N99-339165

Optical material for lens, optical disc, optical fiber, glass windows, semiconductors, liquid crystal displays, etc. - composed of hydrogenated polymer with predefined number average molecular weight, light transmittance **and glass transition temperature**

Patent Assignee: ASAHI KASEI KOGYO KK (ASAH)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 11189614	A	19990713	JP 98287007	A	19981008	199938	B

Priority Applications (No Type Date): JP 97277045 A 19971009
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11189614	A		11	C08F-008/04	

Abstract (Basic): JP 11189614 A

NOVELTY - The optical material consists of a hydrogenated polymeric principal chain with predefined monomer units of specific weight percent. DETAILED DESCRIPTION - The optical material consists of a hydrogenated polymeric principal chain of formula -[Aa-Bb-Cc-Dd-Ee]- (I) obtained by 50% or more hydrogen addition of a carbon-carbon double bonded polymer. The polymer has a number average molecular weight of 5,000-5,000,000, a light **transmittance** of at least 87% and a glass transition temperature of 210-250 deg. C. A-E = monomer units of the polymeric principal chain; A=1,3-cyclohexadiene monomer; B= chain-like conjugated diene group monomer(s); C=vinyl aromatic monomer(s); D=polar monomer(s); E=ethylene- alpha -olefin type monomer(s); a-e = weight percent of the monomer units; 60 at most a at most 100; 0 at most b at most 40; 0 at most c at most 40; 0 at most d at most 400; 0 at most e

at most 40; and a+b+c+d+e = 100

USE - Used for lens in optical science, head light lens and head light reflectors in motor vehicles, optical disc, optical fibers, glass windows, protective layers of sealing resin for semiconductors, magnetooptical recording films, low pass filters, optical memory disc transparent containers, optical diffusion boards, prism, solar batteries, phase plate for liquid crystal displays, water vapor barrier for information recording elements, light-guide plates, waveguides, polarization films, **infrared** rays cut filters, facsimile, optical band-pass filters, protective covers for photomask, water tank of steam irons, **microwave** oven components, substrate for plasma displays, touch panels, electroluminescent displays, field emission displays, **medical** solution **containers** , vials, ampules, bags for infusion solutions, infusion solution tubes, sterilization **containers** of **medical** device.

ADVANTAGE - The optical material has good heat resistance, weather resistance, transparency, rigidity, shock resistance, antiwear quality and chemical resistance, and low water absorption and double refraction.

Dwg.0/1

Title Terms: OPTICAL; MATERIAL; LENS; OPTICAL; DISC; OPTICAL; GLASS; WINDOW ; SEMICONDUCTOR; LIQUID; CRYSTAL; DISPLAY; COMPOSE; HYDROGENATION; POLYMER; PREDEFINED; NUMBER; AVERAGE; MOLECULAR; WEIGHT; LIGHT; **TRANSMITTANCE** ; GLASS; TRANSITION; TEMPERATURE

Derwent Class: A18; A35; A89; A96; D22; L03; P81; T03; W04

International Patent Class (Main): C08F-008/04

International Patent Class (Additional): C08F-232/06; C08F-297/06; G02B-001/04; G02B-006/00; G11B-007/24

File Segment: CPI; EPI; EngPI

13/5/42 (Item 32 from file: 350)

DIALOG(R)File 350:Derwent WPIX

012178302 **Image available**

WPI Acc No: 1998-595213/199850

Related WPI Acc No: 1997-077646

XRPX Acc No: N98-463119

Prescription compliance device - has program memory which stores pre-programmed medication taking regimens and selector which has event switch activated after patient takes medication

Patent Assignee: SEKURA C M (SEKU-I); SEKURA R D (SEKU-I)

Inventor: SEKURA C M; SEKURA R D

Number of Countries: 083 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9849659	A2	19981105	WO 98US7632	A	19980424	199850	B
AU 9871235	A	19981124	AU 9871235	A	19980424	199914	
EP 978110	A2	20000209	EP 98918280	A	19980424	200012	
			WO 98US7632	A	19980424		
US 6018289	A	20000125	US 95232	P	19950615	200012	
			WO 96US9241	A	19960614		
			US 9744265	P	19970425		
			US 97990811	A	19971215		
US 6198383	B1	20010306	US 95232	P	19950615	200115	
			WO 96US9241	A	19960614		
			US 9744265	P	19970425		
			US 97990811	A	19971215		
			US 99425292	A	19991025		

US 20010009398	A1	20010726	US 95232	P	19950615	200146
			WO 96US9241	A	19960614	
			US 9744265	P	19970425	
			US 97990811	A	19971215	
			US 99425292	A	19991025	
			US 2001798925	A	20010306	
JP 2002500529	W	20020108	JP 98547043	A	19980424	200206
			WO 98US7632	A	19980424	
AU 755034	B	20021128	AU 9871235	A	19980424	200306

Priority Applications (No Type Date): US 97990811 A 19971215; US 9744265 P 19970425; US 95232 P 19950615; WO 96US9241 A 19960614; US 99425292 A 19991025; US 2001798925 A 20010306

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9849659	A2	E	52	G08B-001/00	
Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW					
AU 9871235	A			G08B-001/00	Based on patent WO 9849659
EP 978110	A2	E		G08B-001/00	Based on patent WO 9849659
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE					
US 6018289	A			G08B-001/00	Provisional application US 95232 Cont of application WO 96US9241 Provisional application US 9744265
US 6198383	B1			G08B-001/00	Provisional application US 95232 CIP of application WO 96US9241 Provisional application US 9744265 Cont of application US 97990811 patent WO 9700502 Cont of patent US 6018289
US 20010009398	A1			G08B-023/00	Provisional application US 95232 CIP of application WO 96US9241 Provisional application US 9744265 Cont of application US 97990811 Cont of application US 99425292 patent WO 9700502 Cont of patent US 6018289 Cont of patent US 6198383
JP 2002500529	W		58	A61J-007/04	Based on patent WO 9849659
AU 755034	B			G08B-001/00	Previous Publ. patent AU 9871235 Based on patent WO 9849659

Abstract (Basic): WO 9849659 A

The prescription compliance device includes microcontroller. A program memory stores data which represents several pre-programmed medication-taking regimens. A selector picks one of the regimens and programs the device in accordance with it. There is a display. The selector includes an event switch which is activated by the patient after taking a dose of the medication to record the taking of the medication.

The event switch causes the microcontroller to effect the display of the time at which a next dose of the medication is scheduled to be taken in accordance with the regimen selected by the selector. There is also an attaching mechanism which attaches the device to a **medication container** . There is also a **transmitter** /receiver. An external

transmitter /receiver is connected to an input device. The external **transmitter** /receiver **communicates** with the **transmitter** /receiver via a **wireless** link to select one of the regimens and program the device in accordance with it from remote locations.

ADVANTAGE - Ensures that patient takes medication and alerts them when they forget. Is programmable remotely.

Dwg.1/9

Title Terms: PRESCRIBED; COMPLIANT; DEVICE; PROGRAM; MEMORY; STORAGE; MEDICATE; SELECT; EVENT; SWITCH; ACTIVATE; AFTER; PATIENT; MEDICATE
Derwent Class: P33; S04; S05; T01; W01; W05
International Patent Class (Main): A61J-007/04; G08B-001/00; G08B-023/00
International Patent Class (Additional): G04G-015/00
File Segment: EPI; EngPI

13/5/43 (Item 33 from file: 350)

011821881 **Image available**
WPI Acc No: 1998-238791/199821
Related WPI Acc No: 1994-263805; 1996-208275; 1996-239284; 1998-040868
XRAM Acc No: C98-074466
XRPX Acc No: N98-188862

Aerosol inhaler having coded access by e.g. transmitted signal - **prevents unauthorised use for narcosis or analgesia and delivers specifically-metered, reproducible dosage to individual**

Patent Assignee: ARADIGM CORP (ARAD-N)
Inventor: JOHANSSON E T; LLOYD L J; RUBSAMEN R M
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5735263	A	19980407	US 9311289	A	19930129	199821	B
			US 94331065	A	19941028		
			US 96632779	A	19960415		

Priority Applications (No Type Date): US 94331065 A 19941028; US 9311289 A 19930129; US 96632779 A 19960415
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5735263	A		32	A61M-011/00	CIP of application US 9311289 Cont of application US 94331065 Cont of patent US 5507277

Abstract (Basic): US 5735263 A

A hand-held, portable, self-contained device is for intrapulmonary delivery of an aerosol **drug** . It has a disposable **drug** formulation **container** (3) and holder, with atomiser. A device prevents access to the drug once activated, but allows it, when deactivated. Either state is accessed from receipt of a unique, externally supplied unique code. An external key provides the code. The **container** is pressurised, containing **drug** and low boiling point propellant under pressure. The device is preferably a valve, unlocked by a **signal** , e.g. a **radio** - **frequency** encoded **signal** received from a **transmitter** . The drug is an analgesic and/or narcotic, especially Fentanyl (RTM), Sufentanil (RTM) or morphine.

USE - The device is an inhaler precisely dosing analgesic and/or narcotic exclusively to authorised user.

ADVANTAGE - The device prevents unauthorised use. It delivers safely and is able to record times and quantities delivered. It

delivers judiciously, in accordance with breathing parameters. It is able to deliver Naloxone (RTM) to counteract e.g. narcotic overdose. Precision delivery is achieved where vital to safety.

Dwg.2/14

Title Terms: AEROSOL; INHALE; CODE; ACCESS; **TRANSMIT** ; **SIGNAL** ; PREVENT; UNAUTHORISED; NARCOSIS; ANALGESIC; DELIVER; SPECIFIC; METER; REPRODUCE; DOSE; INDIVIDUAL

Derwent Class: B07; P34

International Patent Class (Main): A61M-011/00

File Segment: CPI; EngPI

13/5/44 (Item 34 from file: 350)

DIALOG(R)File 350:Derwent WPIX

011821749 **Image available**

WPI Acc No: 1998-238659/199821

Related WPI Acc No: 1996-150584; 1999-477859; 2002-380737

XRAM Acc No: C98-074436

XRPX Acc No: N98-188734

Ionomer modified polyether-ester replacement for medical grade PVC - used to make plasticiser free, sterilisable and weldable tubing, containers and surgical drapes

Patent Assignee: DENCO INC (DENC)

Inventor: SPENCER D W C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5733268	A	19980331	US 96742046	A	19961101	199821	B

Priority Applications (No Type Date): US 96742046 A 19961101

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5733268	A		11	A61M-025/00	

Abstract (Basic): US 5733268 A

An improvement in an assembly for **transferring** a fluid between a first location and a remote container by means of plastic tubing comprises using plastic tubing made from an ionomeric modified polyetherester (PEE) material, which is a block copolymer containing both polyether and ester blocks modified by an ionomer. The ionomer is a copolymer of ethylene with 1-10 wt.% of methacrylic acid, which is converted to a methacrylate salt. The PEE and the ionomer are plasticiser-free, both individually and in combination. The tubing material also contains a minor amount of poly(vinyl chloride) (PVC) and it can be welded to itself to form a seal which resists opening at an internal pressure of up to 60 psi, but which can be opened under external finger pressure. The above plastic tubing is also claimed.

USE - Used for blood processing, peritoneal dialysis, urinary drainage, chemotherapy administration, parenteral feeding and cell culturing (all claimed). Also for feeding sterile liquids to sterile bags. The tubing material described above may also be used as a substitute for PVC for other **medical** applications, e.g. making bags and other **medical containers** , for tubing food processing and as sheets and films (surgical drapes) for bacterial and virus exclusion. The material may be used in the TCD (RTM: total containment device) process.

ADVANTAGE - The combination of ionomer and PEE creates new materials that are stronger than ionomers and less stretchy than PEEs. Steam sterilizable tubing may be made having a moisture absorbance of

less than 1%, which is comparable to medical grade-PVC. Such tubing is weldable, and also re-openable after welding. The material may be steam or ethylene oxide (for peritoneal dialysis) sterilized without a change in dimensions. The properties of the material may be adjusted to optimize a required property, e.g. tensile strength, fracture strength, elongation, optical clarity, thermal welding performance and **RF** sealing performance. Plasticizer leaching from the material is not a problem. The material does not form particulates and it does not make smoke when a heated blade is used in a sterile connection device (320 deg. C/<1 sec. exposure) [PVC evolves aerosol droplets of plasticizer, which resemble smoke].

3,4,7,9/10

Title Terms: IONOMER; MODIFIED; POLY; ETHER; ESTER; REPLACE; MEDICAL; GRADE ; PVC; PLASTICISED; FREE; STERILE; WELD; TUBE; CONTAINER; SURGICAL; DRAPE
Derwent Class: A14; A23; A95; B07; P34
International Patent Class (Main): A61M-025/00
File Segment: CPI; EngPI

13/5/45 (Item 35 from file: 350)
DIALOG(R)File 350:Derwent WPIX

011623740 **Image available**
WPI Acc No: 1998-040868/199804
Related WPI Acc No: 1994-263805; 1996-208275; 1996-239284; 1998-238791
XRAM Acc No: C98-013572
XRPX Acc No: N98-032758

Dispensing system for aerosol narcotic analgesic drug can only be operated by authorised user - has external key that sends **unique code to lock which** sends **electronic** signal **to device that otherwise prevents access to** drug **in disposable** container

Patent Assignee: ARADIGM CORP (ARAD-N)
Inventor: JOHANSSON E T; LLOYD L J; RUBSAMEN R M
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5694919	A	19971209	US 9311289	A	19930129	199804 B
			US 94331065	A	19941028	
			US 95549017	A	19951027	

Priority Applications (No Type Date): US 95549017 A 19951027; US 9311289 A 19930129; US 94331065 A 19941028
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5694919	A		26	A61M-011/00	CIP of application US 9311289 CIP of application US 94331065 CIP of patent US 5507277

Abstract (Basic): US 5694919 A

The system has an analgesic **drug** formulation in a disposable **container** with a dispensing nozzle. An external key, preferably a bar code, **sends** a unique code to a lock, preferably an **infrared** reader.

The reader **sends** an electronic **signal** to a device that otherwise prevents access to the drug. The drug is an aerosol for inhalation.

USE - Hand-held portable self-contained drug delivery system. Dispensing system is used for aerosol narcotic analgesic drug.

ADVANTAGE - System can be operated only by authorised user.

Dwg.11/11

Title Terms: DISPENSE; SYSTEM; AEROSOL; NARCOTIC; ANALGESIC; DRUG; CAN; OPERATE; AUTHORISE; USER; EXTERNAL; KEY; **SEND** ; UNIQUE; CODE; LOCK; **SEND** ; ELECTRONIC; **SIGNAL** ; DEVICE; PREVENT; ACCESS; DRUG; DISPOSABLE; CONTAINER
Derwent Class: B07; P34; S05; T01; T04; X25
International Patent Class (Main): A61M-011/00
File Segment: CPI; EPI; EngPI

13/5/46 (Item 36 from file: 350)
DIALOG(R)File 350:Derwent WPIX

010711320 **Image available**
WPI Acc No: 1996-208275/199621
Related WPI Acc No: 1994-263805; 1996-239284; 1998-040868; 1998-238791
XRAM Acc No: C96-066383
XRPX Acc No: N96-174398
Hand-held self-contained intra-pulmonary drug delivery unit - partic. for narcotic delivery, has access safety lock controlled by external key or signal **emitter providing code matching unique unit code**
Patent Assignee: ARADIGM CORP (ARAD-N)
Inventor: JOHANSSON E T; LLOYD L J; RUBSAMEN R M
Number of Countries: 066 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5507277	A	19960416	US 9311289	A	19930129	199621 B
			US 94331065	A	19941028	
WO 9613293	A1	19960509	WO 95US13912	A	19951027	199624
AU 9540139	A	19960523	AU 9540139	A	19951027	199635
EP 790843	A1	19970827	EP 95938939	A	19951027	199739
			WO 95US13912	A	19951027	
JP 10508231	W	19980818	WO 95US13912	A	19951027	199843
			JP 96514762	A	19951027	
AU 703166	B	19990318	AU 9540139	A	19951027	199923

Priority Applications (No Type Date): US 94331065 A 19941028; US 9311289 A 19930129
Cited Patents: US 5293865; US 5363842
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5507277	A		32	A61M-011/00	CIP of application US 9311289
WO 9613293	A1	E	79	A61M-011/00	
Designated States (National): AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TT UA UG UZ VN					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG					
AU 9540139	A			A61M-011/00	Based on patent WO 9613293
EP 790843	A1	E		A61M-011/00	Based on patent WO 9613293
Designated States (Regional): CH DE ES FR GB IT LI					
JP 10508231	W		68	A61M-016/01	Based on patent WO 9613293
AU 703166	B			A61M-011/00	Previous Publ. patent AU 9540139 Based on patent WO 9613293

Abstract (Basic): US 5507277 A

A hand-held self-contained unit for intra-pulmonary delivery of aerosol **drug** comprises a component holding a disposable **container** contg. a liquid **drug** formulation which is aerosolised by passing through a porous membrane, and a device which prevents access to the drug when activated and allows access when deactivated, with device

operation controlled by an external key with a code unique to the device. Pore size is pref. 0.25-2.5 mu . The key may be a bar code or electronically coded information, or may **transmit** an **RF** or IR **signal** , or the device may remain activated until it receives a **signal** from a respiratory rate monitor, pref. indicating an inhalation rate of 0.1-2.0 l/s, most pref. 0.15-0.80 l/s.

USE - Used partic. for supplying a narcotic, e.g. fentanyl.

ADVANTAGE - Provides restricted access, accessible only to the user and minimising the danger of misuse.

Dwg.12/14

Title Terms: HAND; HELD; SELF; CONTAIN; INTRA; PULMONARY; DRUG; DELIVER; UNIT; NARCOTIC; DELIVER; ACCESS; SAFETY; LOCK; CONTROL; EXTERNAL; KEY; **SIGNAL** ; EMITTER; CODE; MATCH; UNIQUE; UNIT; CODE
Derwent Class: B07; P34
International Patent Class (Main): A61M-011/00; A61M-016/01
International Patent Class (Additional): A61M-015/00
File Segment: CPI; EngPI

13/5/47 (Item 37 from file: 350)
DIALOG(R)File 350:Derwent WPIX

010100401 **Image available**
WPI Acc No: 1995-001654/199501
XRAM Acc No: C95-000560
XRPX Acc No: N95-001380

Discriminating method for plastic and glass bottles - by irradiating with IR beam and using absorption spectrum for identification

Patent Assignee: FUJITSU LTD (FUIT)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 6288913	A	19941018	JP 9378410	A	19930406	199501	B

Priority Applications (No Type Date): JP 9378410 A 19930406
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 6288913	A		5	G01N-021/35	

Abstract (Basic): JP 6288913 A

An absorption spectrum of a bottle is obtd. by feeding a transmitted light beam (1a) a reflected light beam (1b) and a reference light beam (1c) obtd. by irradiating a bottle (2) by an infrared ray (1) from an infrared ray source (1) to fixed neuro units (91,92,93) of a neural network (9) and to an infrared spectrophotometer (8). Digital signals are generated from the absorption spectrum (2) obtd. by the **infrared** spectrophotometer (8). The neural network (9) is made to study absorption spectrum characteristics for various **bottles** by using the generated digital **signals** as instruction signals. The neural network (9) discriminates bottles according to the studied results.

USE - Plastic and glass bottles contg. liq. can be discriminated by combining the measurement of the absorption spectrum by using infrared rays and the study of the neural network.

Dwg.1/2

Title Terms: DISCRIMINATE; METHOD; PLASTIC; GLASS; BOTTLE; IRRADIATE; INFRARED; BEAM; ABSORB; SPECTRUM; IDENTIFY
Derwent Class: A35; J04; P43; S03; T01; T04
International Patent Class (Main): G01N-021/35

International Patent Class (Additional): B07C-005/34; **G06**F-015/18 ; G06G-007/60
File Segment: CPI; EPI; EngPI

13/5/48 (Item 38 from file: 350)
DIALOG(R)File 350:Derwent WPIX

009611472
WPI Acc No: 1993-305020/199339
XRPX Acc No: N93-234641

ID recognition system for clean room in semiconductor mfg. - includes IC module transmitting and receiving signal, and fixed station performing two-way radio communication with IC module, where IC module operated by obtaining energy of radio waves applied from station

Patent Assignee: SHINKO ELECTRIC CO LTD (SHIA); SHINKO DENKI KK (SHIA)
Inventor: HAYASHI M; KAWANO H; MORITA T; MURATA M; OKUNO A; TANAKA T; TSUDA M; YAMASHITA T
Number of Countries: 006 Number of Patents: 007
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 562622	A1	19930929	EP 93105041	A	19930326	199339 B
JP 5275296	A	19931022	JP 9271378	A	19920327	199347
US 5389769	A	19950214	US 9337976	A	19930326	199512
EP 562622	B1	19990804	EP 93105041	A	19930326	199935
DE 69325840	E	19990909	DE 625840	A	19930326	199943
			EP 93105041	A	19930326	
JP 3216205	B2	20011009	JP 9271378	A	19920327	200164
KR 278552	B	20010115	KR 934748	A	19930326	200207

Priority Applications (No Type Date): JP 9271378 A 19920327
Cited Patents: DE 3736288; EP 448507; US 3780368
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 562622	A1	E	14	G06K-017/00	
Designated States (Regional): DE FR GB					
JP 5275296	A			H01L-021/02	
US 5389769	A		12	G06F-015/46	
EP 562622	B1	E		G06K-017/00	
Designated States (Regional): DE FR GB					
DE 69325840	E			G06K-017/00	Based on patent EP 562622
JP 3216205	B2		7	H01L-021/02	Previous Publ. patent JP 5275296
KR 278552	B			H01L-021/02	Previous Publ. patent KR 93020630

Abstract (Basic): EP 562622 A

The ID system includes an IC module for transmitting and receiving a signal. The IC module sets on the surface of a container ,or cassette, which accommodates wafers and is conveyed from one device to another in the semiconductor manufacturing system. The IC module has a reloadable memory with a large capacity and the control data can be moved together with the container.

The system also includes a fixed station for performing two-way radio communication with the IC module. The fixed station is set at a predetermined position in each of the devices. The IC module is operated by obtaining an energy of radio waves applied from the fixed station. The radio waves energy corresponds to an electric power source.

USE/ADVANTAGE - for mfg. semiconductor wafer, LCD boards, reticles, disks etc. Improved structure and recognition performance where mfr. history and conditions of wafer cassette transferred together with

cassette and container. Handles larger volume of data than bar=code system and doesn't require new bar=code label at each data change.
Dwg.1/9
Title Terms: ID; RECOGNISE; SYSTEM; CLEAN; ROOM; SEMICONDUCTOR; MANUFACTURE ; IC; MODULE; TRANSMIT; RECEIVE; SIGNAL; FIX; STATION; PERFORMANCE; TWO-WAY; RADIO; COMMUNICATE; IC; MODULE; IC; MODULE; OPERATE; OBTAIN; ENERGY; RADIO; WAVE; APPLY; STATION
Index Terms/Additional Words: IDENTIFICATION
Derwent Class: T04; U11; U14
International Patent Class (Main): **G06F-015/46** ; G06K-017/00; H01L-021/02
International Patent Class (Additional): G06K-019/10
File Segment: EPI

13/5/49 (Item 39 from file: 350)
DIALOG(R)File 350:Derwent WPIX

009247202 **Image available**
WPI Acc No: 1992-374619/199246
XRPX Acc No: N92-285558
Dry heat steriliser for glass medical containers **- included reflectors to deflect IR rays to measuring unit**
Patent Assignee: BOSCH GMBH ROBERT (BOSC)
Inventor: WEISS H
Number of Countries: 003 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 512244	A1	19921111	EP 92105496	A	19920331	199246	B
DE 4114798	A	19921112	DE 4114798	A	19910507	199247	
EP 512244	B1	19950607	EP 92105496	A	19920331	199527	
DE 59202432	G	19950713	DE 502432	A	19920331	199533	
			EP 92105496	A	19920331		

Priority Applications (No Type Date): DE 4114798 A 19910507
Cited Patents: No-SR.Pub; EP 312022; EP 358876; EP 64609; GB 2001166; US 3941670
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 512244	A1	G	6	B65B-055/02	
Designated States (Regional): DE IT NL					
DE 4114798	A		5	B65B-055/02	
EP 512244	B1	G	6	B65B-055/02	
Designated States (Regional): DE IT NL					
DE 59202432	G			B65B-055/02	Based on patent EP 512244

Abstract (Basic): EP 512244 A
The containers pass through the tunnel-like oven (10) on a conveyor and are heated by radiation and/or convection. The heat radiation measuring device which monitors the temperature of the containers is set outside of the heating zone of the oven and detects a field of the container current.
The reflectors (30) are set above the conveyor path of the containers in the oven to extend across the conveyor direction over the entire width of the conveyor. An IR camera is pref. used so that the radiation emitted upwards by the containers can be detected line by line and point by point.
USE/ADVANTAGE - Sterilisation of glass **medical containers** . Since the heat radiation emitted upwards by the heated **containers** is deflected to the measuring unit accurate results are possible since the temp. inside the base of the container is also taken into account.

Dwg.1/2
Title Terms: DRY; HEAT; STERILE; GLASS; MEDICAL; CONTAINER; REFLECT; DEFLECT; **INFRARED** ; RAY; MEASURE; UNIT
Derwent Class: Q31
International Patent Class (Main): B65B-055/02
International Patent Class (Additional): B65B-055/06; B65B-055/08; B65B-055/16
File Segment: EngPI

13/5/50 (Item 40 from file: 350)
DIALOG(R)File 350:Derwent WPIX

008929387 **Image available**
WPI Acc No: 1992-056656/199207
XRAM Acc No: C92-025551
XRPX Acc No: N92-043136
Disinfection of medical waste - by heating using radio - frequency **electric field**
Patent Assignee: IIT RES INST (IITR); STERICYCLE INC (STER-N); BAJZEK T J (BAJZ-I); BRIDGES J E (BRID-I); HELD J S (HELD-I); SHARP J W (SHAR-I); SRESTY G C (SRES-I)
Inventor: BAJZEK T J; BRIDGES J E; HELD J S; SHARP J W; SRESTY G C
Number of Countries: 034 Number of Patents: 007
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9200766	A	19920123				199207 B
AU 9182194	A	19920204	AU 9182194	A	19910703	199220
			WO 91US4755	A	19910703	
EP 538361	A1	19930428	EP 91913191	A	19910703	199317
			WO 91US4755	A	19910703	
EP 538361	A4	19930519	EP 91913191	A		199526
US 5543111	A	19960806	US 90549576	A	19900706	199637
			US 9377046	A	19930615	
			US 94193724	A	19940209	
			US 94290002	A	19940812	
US 5609820	A	19970311	US 90549576	A	19900706	199716
			US 9377046	A	19930615	
			US 94193724	A	19940209	
			US 94290002	A	19940812	
			US 95480879	A	19950607	
CA 2086124	C	20020416	CA 2086124	A	19910703	200234
			WO 91US4755	A	19910703	

Priority Applications (No Type Date): US 90549576 A 19900706; US 9377046 A 19930615; US 94193724 A 19940209; US 94290002 A 19940812; US 95480879 A 19950607
Cited Patents: US 3215539; US 3753651; US 4552720; GB 2166633; WO 9105572; WO 9115247; WO 9115248
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9200766	A				
	Designated States (National): AT AU BB BG BR CA CH CS DE DK ES FI GB HU JP KP KR LK LU MC MG MW NL NO PL RO SD SE SU				
	Designated States (Regional): AT CH DE DK ES FR GB GR IT LU NL OA SE				
AU 9182194	A			A61L-002/00	Based on patent WO 9200766
EP 538361	A1	E	78	A61L-002/00	Based on patent WO 9200766
	Designated States (Regional): DE FR GB IT NL				
US 5543111	A		29	A61L-002/08	Cont of application US 90549576
					Cont of application US 9377046

				Cont of application US 94193724
US 5609820	A	30	A61L-002/14	Cont of application US 90549576
				Cont of application US 9377046
				Cont of application US 94193724
				Div ex application US 94290002
				Div ex patent US 5543111
CA 2086124	C	E	A61L-002/08	Based on patent WO 9200766

Abstract (Basic): WO 9200766 A

Medical material is disinfected by heating to a temp. of 85-125 deg. C using **radio - frequency** waves of 500 kHz to 600 MgHz. Pref. the heating lasts for 3-50 mins, esp. 5 mins.

A quantity of heterogeneous medical material with wet and dry portions is confined in a treatment chamber. This is exposed to a time-varying electric field to evaporate water from the wet portions and **transfer** it to the cooler dry portions where it condenses. Further application of the electric field heats the wetted portions to finally give a uniform heating of all the materials.

Waste (2) is placed in a thermally insulated vapour sealed container, e.g. a plastice bag. Pref. The bag is placed inside a box and loaded onto a pallet. These are then sealed, e.g. with a shrink-fit plastic to prevent the escape of moisture during processing.

The vapour-sealed containers are placed in an **RF** field applicator (5) for a sufficient time to evaporate some of the water which is **transferred** to cooler dryer portions and condensed. Further **RF** field application reheats the newly wetted portions until eventually the whole vol. is heated to a temp. sufficient for heat inactivation of the microorganisms resulting in disinfection.

USE - The system is used to disinfect medical materials including medical waste, veterinary waste and medical prods.

Dwg.1/16

Title Terms: DISINFECT; MEDICAL; WASTE; HEAT; RADIO; FREQUENCY; ELECTRIC; FIELD
Derwent Class: B07; D22; P34; S05
International Patent Class (Main): A61L-002/00; A61L-002/08; A61L-002/14
File Segment: CPI; EPI; EngPI

13/5/51 (Item 41 from file: 350)

DIALOG(R)File 350:Derwent WPIX

008820963 **Image available**
WPI Acc No: 1991-324976/199144
Related WPI Acc No: 1991-148536; 1992-131891
XRAM Acc No: C91-140362
XRPX Acc No: N91-249146

Method of sterilising medical waste - by application of radio frequency **electric field**

Patent Assignee: IIT RES INST (IITR); HELD J S (HELD-I); SHARP J W (SHAR-I); STERICYCLE INC (STER-N)
Inventor: BAJZEK T J; BRIDGES J E; HELD J S; SHARP J W; SRESTY G C
Number of Countries: 034 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9115247	A	19911017				199144	B
AU 9176734	A	19911030				199205	
EP 522083	A1	19930113	EP 91908103	A	19910328	199302	
			WO 91US2196	A	19910328		
EP 522083	A4	19930519	EP 91908103	A	19910000	199526	
US 5476634	A	19951219	US 90502293	A	19900330	199605	

				US 9355928	A	19930430		
				US 94185761	A	19940124		
				US 95409897	A	19950323		
US 5641423	A	19970624		US 95409897	A	19950323	199731	N
				US 95466088	A	19950606		

Priority Applications (No Type Date): US 90502293 A 19900330; US 9355928 A 19930430; US 94185761 A 19940124; US 95409897 A 19950323; US 95466088 A 19950606
Cited Patents: US 3215539; US 4207286; US 4978501; WO 9105572
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9115247	A				
Designated States (National): AT AU BB BG BR CA CH DE DK ES FI GB HU JP KP KR LK LU MC MG MW NL NO PL RO SD SE SU					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU NL OA SE					
EP 522083	A1	E	63	A61L-002/04	Based on patent WO 9115247
Designated States (Regional): DE FR GB IT NL					
US 5476634	A		27	A61L-002/08	Cont of application US 90502293 Cont of application US 9355928 Cont of application US 94185761
US 5641423	A		24	H05B-006/54	Div ex application US 95409897 Div ex patent US 5476634

Abstract (Basic): WO 9115247 A

Medical materials are sterilised by heating to a temp. of 85-125 deg.C using **radio frequency** waves, pref. at 500 kHz-600 MHz. Pref. the heating process lasts for approx. 5 mins.

The sterilised waste is opt. comminuted for recycling.

Wet and dry components of a **medical** waste are placed in a closed **container** . Tis is exposed to a time-varying electric field to evaporate water from the wet portions. The resulting water vapour is transported by convection and diffusion to cooler dry portions of the waste where it condenses. The condensed water is reheated by the persisting time-varying electric field.

USE/ADVANTAGE - The process is used to sterilise bulk bagged solid and liq. medical waste, veterinary waste and medical prods. The treated waste can be disposed of in an environmentally friendly manner. (63pp Dwg.No.3/13

Title Terms: METHOD; STERILE; MEDICAL; WASTE; APPLY; RADIO; FREQUENCY; ELECTRIC; FIELD
Derwent Class: D22; P34; S05; X25
International Patent Class (Main): A61L-002/04; A61L-002/08; H05B-006/54
International Patent Class (Additional): A61L-002/12
File Segment: CPI; EPI; EngPI

13/5/52 (Item 42 from file: 350)
DIALOG(R)File 350:Derwent WPIX

008707024 **Image available**
WPI Acc No: 1991-211045/199129
XRPX Acc No: N92-037768
Radiation image recording and read-out unit - using single stimulable phosphor sheet movable from position beneath image recording table to read-out then erasing sections
Patent Assignee: FUJI PHOTO FILM CO LTD (FUJF)
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 3132273	A	19910605	JP 89270737	A	19891018	199129	B

US 5081357 A 19920114 US 90599169 A 19901017 199206

Priority Applications (No Type Date): JP 89270737 A 19891018

Abstract (Basic): JP 3132273 A

A plasma device comprises a bell **jar** (8) of a material **transmitting microwaves** providing in a plasma generating chamber so that an opening part is positioned facing a sample chamber; and a gas introduction pipe introduced in the belt jar from the interior of a sample chamber so as to point to the microwave introduction port side.

USE/ADVANTAGE - Heavy metal is not contaminated by a material of which the peripheral wall of a plasma generating chamber is formed. (6pp Dwg.No.1/6

Title Terms: RADIATE; IMAGE; RECORD; READ; UNIT; SINGLE; STIMULATING; PHOSPHOR; SHEET; MOVE; POSITION; BENEATH; IMAGE; RECORD; TABLE; READ; ERASE; SECTION

Derwent Class: P31; P82; S03; S05; W02

International Patent Class (Additional): A61B-006/00; G01N-023/04; G03B-042/02; **G06F-015/62** ; H04N-005/32

File Segment: EPI; EngPI

13/5/53 (Item 43 from file: 350)

DIALOG(R)File 350:Derwent WPIX

008526635 **Image available**

WPI Acc No: 1991-030719/199105

XRAM Acc No: C91-013098

XRPX Acc No: N91-023779

Microwave **sterilisation of hospital waste in closed containers - on conveyor belt after needle injection of water and sterilising medium**

Patent Assignee: NORDPUNKT AG (NORD-N)

Inventor: MAIHOFER W

Number of Countries: 005 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 410306	A	19910130	EP 90113871	A	19900719	199105	B
DE 3924744	C	19910207	DE 3924744	A	19890726	199106	
AU 9059895	A	19910131				199112	
CA 2021647	A	19910127				199116	
AU 633944	B	19930211	AU 9059895	A	19900726	199313	
EP 410306	A3	19920325	EP 90113871	A	19900719	199327	
EP 410306	B1	19950111	EP 90113871	A	19900719	199506	
DE 59008228	G	19950223	DE 508228	A	19900719	199513	
			EP 90113871	A	19900719		
ES 2068289	T3	19950416	EP 90113871	A	19900719	199522	
US 5609830	A	19970311	US 90555003	A	19900720	199716	
			US 9337513	A	19930322		
			US 94202600	A	19940228		

Priority Applications (No Type Date): DE 3924744 A 19890726

Cited Patents: NoSR.Pub; DE 2908086; DE 3317300; DE 3505570; WO 9012601

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
AU 633944	B			A61L-002/12	Previous Publ. patent AU 9059895
EP 410306	B1	G	23	A61L-011/00	
DE 59008228	G			A61L-011/00	Based on patent EP 410306
ES 2068289	T3			A61L-011/00	Based on patent EP 410306
US 5609830	A		12	A61L-002/12	Cont of application US 90555003 Div ex application US 9337513

Abstract (Basic): EP 410306 A

In a first enclosed coffer section (2) of a steriliser for hospital waste, the containers (6) filled with waste rise on a conveyor belt (5) to a closable door. Each container has a removable cover penetratable by an injector needle (17). Containers pref. in batches, then pass through the opened door on to a main conveyor belt (8) in the sterilisation chamber proper. While rising, the container tops are penetrated by one or more needles which inject water or a sterilisation **medicine** . A further needle extracts gas from the **container** for **transfer** to a separate sterilisation circuit. While the water or sterilisation medium spreads through the waste, the entire container, made of plastic, is subjected to **microwave** heating, with the injection needles still in place. With the coffer door (7) closed, the containers are then extracted from the sterilisation chamber end.

ADVANTAGE - Achieves reliable sterilisation without contaminating surroundings.

Dwg.1/5

Title Terms: **MICROWAVE** ; STERILE; HOSPITAL; WASTE; CLOSE; CONTAINER; CONVEYOR; BELT; AFTER; NEEDLE; INJECTION; WATER; STERILE; MEDIUM

Derwent Class: D22; P34; Q35

International Patent Class (Main): A61L-002/12; A61L-011/00

International Patent Class (Additional): A61L-002/20; B65F-007/00

File Segment: CPI; EngPI

13/5/54 (Item 44 from file: 350)

DIALOG(R)File 350:Derwent WPIX

004723005

WPI Acc No: 1986-226347/198635

XRAM Acc No: C86-097530

XRPX Acc No: N86-168878

Container for infected or harmful wastes - has snap-on lid to prevent unauthorised opening and disinfectant reservoir

Patent Assignee: GVB SANIMED HYGIENE (GVBS-N)

Inventor: GOLDNER H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 3505892	A	19860821	DE 3505892	A	19850220	198635	B

Priority Applications (No Type Date): DE 3505892 A 19850220

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3505892	A		10		

Abstract (Basic): DE 3505892 A

Closable container comprises a vessel and lid, having a locking mechanism which cannot be released once the lid has been fitted onto the vessel.

Pref., the vessels and lids are designed to be stacked when empty and the completed container can also be stacked.

The prefd. locking mechanism comprises a downward fold around the rim of the vessel and an elastic upward fold around the bottom edge of the lid, so that the lid can be fixed as a snap fit onto the vessel and cannot be disengaged.

For finally opening the closed vessel, a tear-off strip may be provided in the lid, separating the lower edge from the upper part. The entire container (1) is pref. of a material which **transmits**

microwaves , pref. plastics.

USE/ADVANTAGE - **Container** is for dangerous or infected wastes in hospitals, **medical** centres, laboratories etc.. A wide range of uses is possible, the vessels can be easily manufactured to any required size and they cannot be reopened by unauthorised persons. (10pp Dwg.No.0/2)

Title Terms: CONTAINER; INFECT; HARM; WASTE; SNAP; LID; PREVENT; UNAUTHORISED; OPEN; DISINFECT; RESERVOIR

Derwent Class: D15; J04; Q35

International Patent Class (Additional): B01L-003/00; B65F-001/16

File Segment: CPI; EngPI

```
Set     Items   Description
S1        649   AU=(WALKER J? OR WALKER, J?)
S2     199224   WIRELESS? OR RF OR RADIO()(FREQUENC? OR WAVE?) OR INFRARED
              OR RADIOFREQUENC? OR RADIOWAVE? OR CABLELESS OR CABLEFREE OR
             (WIRE OR CABLE)()(LESS? OR FREE) OR MICROWAVE?
S3     238666   PRESCRIPTION? OR RX OR R()X OR DRUG? ? OR MEDICATION? OR M-
             EDICINE? OR MEDICAL
S4     233156   CONTAINER? OR BOTTLE? OR JAR OR VIAL? ?
S5    1126711   TRANSFER? OR TRANSMI? OR FORWARD OR SEND? OR SENT OR COMMU-
             NICAT? OR SIGNAL?
S6       4850   S3(5N)S4
S7          2   S6 AND S1
S8        161   S6(S)S2
S9         62   S8(S)S5
S10        17   (S7 OR S8 OR S9) AND IC=G06F?
? show file
File 348:EUROPEAN PATENTS 1978-2003/Jun W04
         (c) 2003 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20030626,UT=20030619
         (c) 2003 WIPO/Univentio
```

10/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01438733
A system and a method for monitoring the effectiveness of a medical treatment
System und Methode zur Uberwachung der Effizienz einer medizinischen Behandlung
Systeme et procede de surveillance de l'efficacite d'un traitement medical
PATENT ASSIGNEE:
Microlife Intellectual Property GmbH, (3270720), Hafnerwisenstrasse 4, 9442 Berneck, (CH), (Applicant designated States: all)
INVENTOR:
Lin, Wen-Guai, 3 F. No.3 Alley 5, Lane 120,, Sec.6, Min-Chuan East Road, Taipei, (TW)
Fong, Yi-Ling, 13 F. No.45 Alley 72, Yuang-Fu Street, Shan-Chung City, Taipei, (TW)
Frick, Gerhard, Oberfresch 15, 6800 Feldkirch, (AT)
LEGAL REPRESENTATIVE:
Hepp, Dieter et al (25444), Hepp, Wenger & Ryffel AG, Friedtalweg 5, 9500 Wil, (CH)
PATENT (CC, No, Kind, Date): EP 1224903 A1 020724 (Basic)
APPLICATION (CC, No, Date): EP 2001100892 010116;
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: A61B-005/00; A61J-007/04; **G06F-019/00** ; B42D-015/00
ABSTRACT WORD COUNT: 67
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200230	860
SPEC A	(English)	200230	5999
Total word count - document A			6859
Total word count - document B			0
Total word count - documents A + B			6859

...INTERNATIONAL PATENT CLASS: **G06F-019/00**

...SPECIFICATION plays the role of a central data collection center. In such a case, also several **medicine containers** may be used in order to distinguish different types of medicine.
According to a preferred...

10/3,K/2 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01018923 **Image available**
MEDICATION ADHERENCE SYSTEM
SYSTEME D'OBSERVATION DE PRESCRIPTIONS MEDICALES
Patent Applicant/Assignee:
BECTON DICKINSON AND COMPANY, 1 Becton Drive, Franklin Lakes, NJ 07417, US, US (Residence), US (Nationality), (For all designated states

except: US)
Patent Applicant/Inventor:
VONK Glenn, 2717 Piney Grove, Wilbon Road, Fuguay-Varina, NC 27526, US, US (Residence), US (Nationality), (Designated only for: US)
RAMBAUGH Richard, 134 Heather Ridge Rd, Durham, NC 27712, US, US (Residence), US (Nationality), (Designated only for: US)
RYAN Colleen, 1 Oakwood Road, Allendale, NJ 07401, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
HIGHET David (agent), Becton Dickinson and Company, 1 Becton Drive, Franklin Lakes, NJ 07417 (et al), US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200348919 A1 20030612 (WO 0348919)
Application: WO 2002US37804 20021126 (PCT/WO US0237804)
Priority Application: US 2001334101 20011130
Designated States: AE AG AL AM AT (utility model) AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ (utility model) CZ DE (utility model) DE DK (utility model) DK DM DZ EC EE (utility model) EE ES FI (utility model) FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SI SK (utility model) SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 6941

Main International Patent Class: **G06F-007/00**
Fulltext Availability:
Detailed Description
Claims

Detailed Description
... An additional limitation of this approach is the need to fill a large number of **medication containers** with a number of different **medications** all taken at a specific time by the patient. These containers must be filled with a high degree of accuracy and precision. In addition, labeling of **containers** that contain many **medications** is difficult since the **containers** may not be large enough to hold a legible label listing required information for each **medication** in the pill **container** .

[00081 Other commonly-assigned U.S. patents and published international (PCT) applicationsdisclosingrelatedsubjectmatterarelistedbelow. Eachofthelistedpatents
and published...station 20. The smart medication adherence tray IO contains individual receptacles 25 for receiving removable **medication containers** 30. The **medication** tray 10 also contains a means to store information about the medications on the medication tray I 0, and a means to **communicate** this information to the docking station 20. The means to both store this information and **communicate** it to the docking station 20 will be henceforth referred to as a smart tag...Fig. 1. The smart tag 40 can use physical data connections, IR, and most preferably, **radio frequency** (**RF**) **communication** methods, all of which are well known to those skilled in the art of the...40 on the medication tray IO and inexpensive "low bit" tags 3 5 on each **medication container** 3 0. "Low bit" tags 35 refer to very inexpensive tags and readers that indicate...be used as sensors I 1 0 to determine the presence or absence

of a **medication container** 3 0. Also, the low-bit tags 3 5 can be **RF** tags, and the sensors 1 1 0 can be an **RF** transceiver, similar to' the smart tag system 40.

[00451 VAiile Fig. 1 shows many medication...optical communications (e.g., optocouplers), and physical serial connections.

[00461 Visual cues to identify individual medication containers 30 can include the use of light emitting diodes or lasers of various ... take medications. Connection to an external data network can include well-known methods such as **RF** , including 802.11 and Bluetooth standards, IRDA, various **wireless** data systems including pager networks, cellular packet data, and 2G and 3G systems, and physical...

Claim
... second communication means to detect the insertion, removal and replacement of the one or more **medication** filled **containers** .

19 The **medication** adherence system according to claim 16, wherein the first
communication means comprises:
a smart tag **RF** transceiver, serial data port or IR **communications** link.

20 The medication adherence system according to claim 16, wherein the prescription
data comprises...

10/3,K/3 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01014825 **Image available**
MONITORING A DAILY LIVING ACTIVITY AND ANALYZING DATA RELATED THERETO
SUIVI DES ACTIVITES DE LA VIE COURANTE ET ANALYSE DES DONNEES S'Y RAPPORTANT
Patent Applicant/Assignee:
BEHAVIORAL INFORMATICS INC, 109 West Mount Airy Avenue, Philadelphia, PA 19119, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
KUTZIK David M, 109 West Mount Airy Avenue, Philadelphia, PA 19119, US, US (Residence), US (Nationality), (Designated only for: US)
GLASCOCK Anthony P, 64 Llangollen Lane, Newtown Square, PA 19333, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
LINGUITI Frank M (agent), Caesar, Rivise, Bernstein, Cohen & Pokotilow, LTD., Seven Penn Center, 1635 Market Street, 12th Floor, Philadelphia, PA 19103, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200344755 A1 20030530 (WO 0344755)
Application: WO 2001US47518 20011108 (PCT/WO US0147518)
Priority Application: WO 2001US47518 20011108
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 19418

...International Patent Class: **G06F-003/00**
Fulltext Availability:
Detailed Description

Detailed Description
... the medication holder 404 is opened or closed in this manner by a 2 5 **medication container** 402 a **radio frequency medication** transmitter 424 is activated. In this manner the medication self-management detection system 116 **communicates** this activity of daily living information with the system controller device 1 1 0. The **radio frequency signal** provided by the medication transmitter 424 when it is activated by a switch 416 is switch 416 within the **medication container** 404 is opened. The selected pulse coded **signal** from the medication transmitter 424 is received, decoded, and stored by the system controller device...

10/3,K/4 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00983749 **Image available**
PERSONAL MEDICATION AND HEALTH AID
MEDICATION PERSONNELLE ET AIDE A LA SANTE
Patent Applicant/Inventor:
ROSENGREN Lars, Fagelstigen 5, S-561 38 Huskvarna, SE, SE (Residence), SE (Nationality)
Legal Representative:
WILLQUIST & PARTNERS PATENTBYRA AB (agent), Gjuterigatan 9, S-553 18 Jonkoping, SE,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200313351 A1 20030220 (WO 0313351)
Application: WO 2002SE1431 20020807 (PCT/WO SE0201431)
Priority Application: SE 20012694 20010808
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 3506

International Patent Class: **G06F-017/60**
Fulltext Availability:
Claims

Claim
... is carried by the user at all times. In its simplest form, it has a **medication container** and an input device, typically a keyboard, and a display such as a numeric or...is stopped if an actual seizure occurs.

The data in the loop should then be **transferred** and analysed, eventually providing better understanding of actual process leading to seizure thereby allowing even...

...If a seizure or similar conditions occur, this is relatively easily detected and an alarm **signal** is produced. This alarm **signal** should preferably be used to trigger lalarm conditions that are transmitted for instance via mobile...via a 99 cradle" such as commonly used with palm computers or via IR or **RF** (Bluetooth). Obviously the PC can host a more sophisticated algorithm and database. On the next...would be to use a commercially available wrist computer clock for data storage calculation and **communication** . The actual data collection **signal** treatment and data reduction would in this case be performed by a physically separate unit...collection satellite units remotely connected to the main unit or a sub-unit by wires, **radio frequency** or **infrared** transmitting links etc. The data collection unit has to **communicate** with the main unit to receive commands and **transmit** data. In the illustrated example the **communication** takes place over the standardised ir-link. The ir-link is preferred even if the universal system, herein named MedClock system, is based on a data logging and **communications** module, the Med Clock. The MedClock is designed to be carried 24 hours a day with PC on a regular basis, through suitable **communications** channels such as IR, wire connection, RIF etc. In certain of these applications, specifically those...a patient to actually se the results of various actions and to be able to **communicate** more precisely to caregiver how he is really feeling. Requires a consumer oriented software package...

10/3,K/5 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00958305 **Image available**
A MEDICINE DISPENSER
DISTRIBUTEUR DE MEDICAMENT
Patent Applicant/Assignee:
E-MEDICATION APS, Copenhagen Science Park Symbion, Fruebjergvej 3, DK-2100 Copenhagen O, DK, DK (Residence), DK (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
OSTERGAARD Jens, Lejrevej 8A, DK-4320 Lejre, DK, DK (Residence), DK (Nationality), (Designated only for: US)
BARFOED Jesper, Peterborgsvej 4, DK-3120 Dronningmolle, DK, DK (Residence), DK (Nationality), (Designated only for: US)
OLSEN Ole Ingemann, Skovvej 77D, DK-2920 Charlottenlund, DK, DK (Residence), DK (Nationality), (Designated only for: US)
GEISLER Ole, Dronningensgade 3A, DK-1420 Copenhagen K, DK, DK (Residence), DK (Nationality), (Designated only for: US)
Legal Representative:
PLOUGMANN & VINGTOFT A S (agent), Sundkrogsgade 9, P.O. Box 831, DK-2100 Copenhagen O, DK,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200291987 A2-A3 20021121 (WO 0291987)
Application: WO 2002DK318 20020515 (PCT/WO DK0200318)
Priority Application: DK 2001766 20010515
Designated States: AE AG AL AM AT (utility model) AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ (utility model) CZ DE (utility model) DE DK (utility model) DK DM DZ EC EE (utility model) EE ES FI (utility model) FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK

(utility model) SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 19310

International Patent Class: **G06F-019/00** ...

... **G06F-017/00**
Fulltext Availability:
Claims
Claim
... of the claims 46-45 ???, wherein the supporting structure is constituted by a lid-less **container** .

48 A central **medication** database system adapted enable controlling medicine dispensed by a medicine dispenser according to any of...

...being adapted to
SLjBSTITUTE SHEET
maintain routing of alert calls either via a wired or **wireless communication** or a
4
combination thereof and being connected, at least temporarily to said dispenser.

49...

10/3,K/6 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00949168
METHOD AND SYSTEM FOR DETECTING VARIANCES IN A TRACKING ENVIRONMENT
METHODE ET SYSTEME DE DETECTION DE VARIATIONS DANS UN ENVIRONNEMENT DE SUIVI MEDICAL
Patent Applicant/Assignee:
INSTRUMENTARIUM CORPORATION, Kuortaneenkatu 2, FIN-00031 Helsinki, FI, FI (Residence), FI (Nationality)
Inventor(s):
PULKKINEN Otto Pietari, Untuvaisentie 4 A 18, FIN-00820 Helsinki, FI,
HAKKINEN Matti, Viherlaaksonranta 10 C 33, FIN-02710 Espoo, FI,
SARKKA Jukka-Pekka, Rakentajantie 8 B, FIN-02340 Espoo, FI,
BUTTERBRODT Jay, 18 Brookview Drive, North Andover, MA 01845, US,
DUMERY Barbara, 218 Norfolk Street, Cambridge, MA 02139, US,
SINKKO Sami, Louhenkatu 19, FIN-50130 Mikkeli, FI,
TOIKKA Osmo, Valakkatie 6 B, FIN-00780 Helsinki, FI,
Legal Representative:
GULDE Klaus W (et al) (agent), Anwaltskanzlei, Schutzenstrasse 15-17, 10117 Berlin, DE,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200282348 A2 20021017 (WO 0282348)
Application: WO 2002EP3739 20020404 (PCT/WO EP0203739)
Priority Application: US 2001281651 20010405
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO
RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 9325

Main International Patent Class: **G06F-019/00**
Fulltext Availability:
Detailed Description

Detailed Description
... on patient location detection and the laboratory nurse scanning the patient badge 16 with an **RF** reader coupled to the interface 21; and a nurse dispensing medication prescribed by the physician...
...21 by scanning the badge 16 and a badge including a barcode attached to a **medicine vial** .

[0058] If the module 28 determines that the recorded data corresponds to an event set...

10/3,K/7 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00919346 **Image available**
A SYSTEM AND A METHOD FOR MONITORING THE EFFECTIVENESS OF A MEDICAL TREATMENT
SYSTEME ET PROCEDE POUR CONTROLER L'EFFICACITE D'UN TRAITEMENT MEDICAL
Patent Applicant/Assignee:
MICROLIFE INTELLECTUAL PROPERTY GMBH, Max Schmidheiny-Strasse 201, CH-9435 Heerbrugg, CH, CH (Residence), CH (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
LIN Wen-Guay, 3 F. No. 3 Alley 5, Lane 120, Sec. 6, Min-Chuan East Road, Taipei, **, -- (Residence), -- (Nationality), (Designated only for: US)
FONG Yi-Liang, 13 F. No. 45 Alley 72, Yuang-Fu Street, Shan-Chung City, Taipei, **, -- (Residence), -- (Nationality), (Designated only for: US)
FRICK Gerhard, Oberfresch 15, A-6800 Feldkirch, AT, AT (Residence), AT (Nationality), (Designated only for: US)
Legal Representative:
HEPP Dieter (et al) (agent), Hepp, Wenger & Ryffel AG, Friedtalweg 5, CH-9500 Wil, CH,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200253022 A2-A3 20020711 (WO 0253022)
Application: WO 2001EP15306 20011224 (PCT/WO EP0115306)
Priority Application: US 2001259179 20010103; EP 2001100892 20010116
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English

Fulltext Word Count: 7590

...International Patent Class: **G06F-019/00**
Fulltext Availability:
Detailed Description

Detailed Description
... plays the role of a
central data collection center. In such a case, also several
medicine containers may be used in order to distinguish
different types of medicine.
According to a preferred...

10/3,K/8 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00911764
SYSTEMS AND METHODS FOR DETECTION ASSAY ORDERING, DESIGN, PRODUCTION, INVENTORY, SALES AND ANALYSIS FOR USE WITH OR IN A PRODUCTION FACILITY
SYSTEMES ET PROCEDES DE COMMANDE, DE CONCEPTION, DE PRODUCTION, D'INVENTAIRE, DE VENTE ET D'ANALYSE DE DOSAGES DE DETECTION, POUVANT ETRE UTILISES AVEC OU DANS UN MOYEN DE PRODUCTION
Patent Applicant/Assignee:
THIRD WAVE TECHNOLOGIES INC, 502 South Rosa Road, Madison, WI 53719, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
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STUMP Steven, 575 Harvest Lane, Verona, WI 53593, US, US (Residence), US (Nationality), (Designated only for: US)
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Legal Representative:
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Patent and Priority Information (Country, Number, Date):
Patent: WO 200244994 A2 20020606 (WO 0244994)
Application: WO 2001US45705 20011130 (PCT/WO US0145705)
Priority Application: US 2000250112 20001130; US 2000250449 20001130; US 2001771332 20010126; US 2001782702 20010213; US 2001285895 20010423; US 2001288229 20010502; US 2001289764 20010509; US 2001304521 20010711; US 2001307660 20010725; US 2001915063 20010725; US 2001308878 20010731; US 2001311582 20010810; US 2001929135 20010814; US 2001930535 20010815; US 2001930688 20010815; US 2001930646 20010815; US 2001930543 20010815; US 2001326549 20011002; US 2001238312 20011010; US 2001329113 20011012; US 2001328861 20011012

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English
Filing Language: English
Fulltext Word Count: 140672

Main International Patent Class: **G06F-019/00**
Fulltext Availability:
Detailed Description

Detailed Description

... drug retailer or drug wholesaler, or pharmaceutical company. In some embodiments, the 1 5 electronic **medical** record is stored on a small device to be carried on or in a subject...A detector can be a photometric or spectrophotometric system, which can detect ultraviolet, visible or **infrared** light, including fluorescence or chemiluminescence; a radiation detection system; a spectroscopic system such as nuclear...not limited to, detection assays that, when a target is detected, accurately predict the phenotype **medical** 95%, 96%, 97%@ 9M 99%, 99.5%, 99.8%, or 99.9% of the time...into the computer hosting the INVADERCREATOR program, or via a remote computer linked through a **communication** network (e.g., a LAN, Intranet or Internet network). For detection of double-stranded nucleic ...

...the software automatically selects the strand. By incorporating thermodynamic parameters for optimum probe cycling and **signal** generation (e.g., Allawi and SantaLucia, Biochemistry, 36:10581 [1997] for DNA duplexes, Sugimoto, et...Entry (WebOE) process (i.e., through an Intra/Internet browser interface) and these parameters are **transferred** from the WebOE via applet <param> tags, rather than entered through menus or check boxes...have a Tm of around 60'C, with less than 21C difference in Tm between **forward** and reverse primers.

Preferred primers have GC% around 40-60% and have three or less...SNP assay to find similar sequences in the genome that may generate the cross-reactivity **signal** . The design of PCR primers with software

program should prevent amplification of any of the...the'INVADER assay. Figure 15 illustrates creation of one of the primer pairs (both a **forward** and reverse primer) for a IO 1 primer set from sequences available for analysis on...

...hybridize to this target sequence in order to detect the SNP in the target sequence), **forward** and reverse primer sequences (bold), and their corresponding Tm's.

In some embodiments, the selection...N[l] is a G or T). N[2]-N[l] of each of the **forward** and reverse primers designed should not be complementary to N[2]-N[l] of any...

...met at a given N[l], the next base in the 5' direction for the **forward** primer or the next base in the 3' direction for the reverse primer may be ...is basically cleared or "emptied" to start a fresh run. The target sequences are then **sent** to "B" to be processed, and DirnerTest pairs are **sent** to "C" to be processed. Target sequences are **sent** to "B", where a user or software application determines the footprint region for the target...

...reached. This is set as the initial starting point for defining the sequence of the **forward** primer (i.e. this serves as the initial N[1] site). From this initial N[I] site, the sequence of the primer for the **forward** primer is the same as those bases encountered on the target region, For example, if...

...criteria used for this determination are explained above. If the primer passes this step, the **forward** primer is added to the primer pool. However, if the **forward** primer fails this criteria, as shown in Figure 17, the starting point (N[l] is...

...designed, then the target sequence is flagged as an error (e.g. indicating that no **forward** primer can be made for this target).

This same process is then repeated for designing...

10/3,K/9 (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00855148 **Image available**
DISTRIBUTED REMOTE ASSET AND MEDICATION MANAGEMENT DRUG DELIVERY SYSTEM
SSTEME REPARTI DE GESTION D'EQUIPEMENTS MEDICAUX ET D'ADMINISTRATION DE MEDICAMENTS A DISTANCE
Patent Applicant/Assignee:
ALARIS MEDICAL SYSTEMS INC, 10221 Wateridge Circle, San Diego, CA 92121, US, US (Residence), US (Nationality)
MCKESSON AUTOMATION INC, 700 Waterfront Drive, Pittsburgh, PA 15222, US, US (Residence), US (Nationality)
Inventor(s):
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VANDERVEEN Timothy W, 13571 Summit Circle, Poway, CA 92064, US,
LEE Bradford A, 1382 Calle Christopher, Encinitas, CA 92024, US,
Legal Representative:
RUNK Thomas A (et al) (agent), Fulwider Patton Lee & Utecht, LLP, Howard Hughes Center, 10th floor, 6060 Center Drive, Los Angeles, CA 90045, US
,
Patent and Priority Information (Country, Number, Date):

Patent: WO 200188828 A2-A3 20011122 (WO 0188828)
Application: WO 2001US15989 20010518 (PCT/WO US0115989)
Priority Application: US 2000205125 20000518
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 16135

Main International Patent Class: **G06F-019/00**
Fulltext Availability:
Detailed Description

Detailed Description
... incorporating a microprocessor and allows for input and/or output of information, whether via electrical, **radio frequency** or optical means, w(inverted exclamation mark)reless or direct contact, and which contains its...
...in accordance with this invention may be attached to or embedded in the packing or **container** of a **medication** to be delivered to a patient. Such devices may typically be manufactured no larger than...

10/3,K/10 (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00556589 **Image available**
METHOD AND APPARATUS FOR DOCUMENTING CAP REMOVAL DATA
PROCEDE ET APPAREIL PERMETTANT DE DOCUMENTER DES DONNEES RELATIVES AU RETRAIT D'UN CAPUCHON
Patent Applicant/Assignee:
WALKER ASSET MANAGEMENT LIMITED PARTNERSHIP, Four High Ridge Park, Stamford, CT 06905, US, US (Residence), US (Nationality), (For all designated states except: US)
Inventor(s):
WALKER Jay S ,
JORASCH James A,
PACKES John M Jr
Patent Applicant/Inventor:
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JORASCH James A, Apartment 5G, 25 Forest Street, Stamford, CT 06901, US, US (Residence), US (Nationality), (Designated only for: US)
PACKES John M Jr, 21 Frankford Street, Hawthorne, NY 10532-1950, US, US (Residence), US (Nationality), (Designated only for: US
Legal Representative:
SANTISI Steve M (et al) (agent), Walker Digital Corporation, Intellectual Property Dept., One High Ridge Park, Stamford, CT 06905, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200019962 A2-A3 20000413 (WO 0019962)
Application: WO 99US21895 19990921 (PCT/WO US9921895)
Priority Application: US 98164473 19981001
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE

ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 8155

Inventor(s):
WALKER Jay S ...
Patent Applicant/Inventor:
WALKER Jay S ...
International Patent Class: **G06F-019/00** ...
Fulltext Availability:
Detailed Description

Detailed Description
... 1996.

Back2round of the Invention
Field of the Invention
The present invention relates generally to **medicine containers** . More particularly, the present invention relates to a method and apparatus for documenting and authenticating **medicine container** cap removal data.

Description of the Related Art
A major problem facing the health care...In a preferred embodiment, documenting module 200 includes elements
incorporated within the cap of a **prescription medication container** , although it could also take the form of an add-on module attached to either the **medicine bottle** cap or **bottle** .

Documenting module 200 could also be used in conjunction with a pill dispensing device that...

10/3,K/11 (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00552840 **Image available**
INTEGRATED AUTOMATED DRUG DISPENSER METHOD AND APPARATUS
SYSTEME ET PROCEDE POUR LA DISTRIBUTION INTEGREE DE MEDICAMENTS
Patent Applicant/Assignee:
AUTOMED TECHNOLOGIES INC,
HEBRON Terrance J,
VANDY BOGURT Douglas L,
Inventor(s):
HEBRON Terrance J,
VANDY BOGURT Douglas L,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200016213 A1 20000323 (WO 0016213)
Application: WO 99US19849 19990827 (PCT/WO US9919849)
Priority Application: US 9898124 19980827; US 98209995 19981211
Designated States: AU BR CA MX US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English

Fulltext Word Count: 13524

Main International Patent Class: **G06F-015/42**
Fulltext Availability:
Claims

Claim
... ERROR
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COMMAND UNSCRAMBLCR
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TRANSFER Rx TO REJECT FLAG
FIX FILLED QUEUE
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RX FILLED dUEUE
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ASSIGN IT TO
THIS RX
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...SORT LIST AND UPDATE
PATIENT'S Rx DATA ON
PATIENT FILLING LIST

NO ORDER
COMPLET
TRANSFER PATIENT
ORDER FROM
PA71ENT FILLING
LIST TO PATIENT
FILLED LIST I
MERNATIONAL SEARCH REPORT International...

10/3,K/12 (Item 11 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00539971 **Image available**
SYSTEM AND METHOD FOR COLLECTING DATA AND MANAGING PATIENT CARE
SYSTEME ET PROCEDE DE COLLECTE DE DONNEES ET DE GESTION DE SOINS DONNES A DES PATIENTS
Patent Applicant/Assignee:
ALARIS MEDICAL SYSTEMS INC,
Inventor(s):
ENGLESON Joseph J,
CHAMBERLAIN Craig,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200003344 A1 20000120 (WO 0003344)
Application: WO 99US15500 19990709 (PCT/WO US9915500)
Priority Application: US 98114581 19980713
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 9913
Main International Patent Class: **G06F-019/00**
Fulltext Availability:
Detailed Description

Detailed Description
... showing the clinical devices transmitting and receiving infon-nation from the local area network through **RF** transmitting/receiving equipment;
FIG. 15 is a graphical representation of another embodiment of the care...

...system of FIG. 9 where all of the hardware elements of the local area network **communicate** with each other using **RF** transmitting/receiving
equipment; and
FIG. 16 presents a view of a patient having an identification...

10/3,K/13 (Item 12 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00479478 **Image available**
AUTOMATED HEALTH CARE SYSTEM
SYSTEME DE SOINS AUTOMATISE

Patent Applicant/Assignee:
DEKA PRODUCTS LIMITED PARTNERSHIP,
SWEENEY James M,
ROGERS Bobby E,
SNIDER Robert R,
KAMEN Dean L,
NISBET Kim,
LANIGAN Richard,
KAMEN Barton,
MANNING Robert,
TAMZARIAN Donna,
DEMERS Jason A,
GINALSKI Erica,
Inventor(s):
SWEENEY James M,
ROGERS Bobby E,
SNIDER Robert R,
KAMEN Dean L,
NISBET Kim,
LANIGAN Richard,
KAMEN Barton,
MANNING Robert,
TAMZARIAN Donna,
DEMERS Jason A,
GINALSKI Erica,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9910830 A1 19990304
Application: WO 98US17103 19980818 (PCT/WO US9817103)
Priority Application: US 97916889 19970822
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US
UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN
GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 23855

Main International Patent Class: **G06F-019/00**
Fulltext Availability:
Detailed Description

Detailed Description
... bar code scanner or other code reader to read a bar code label on the **medication container** . The scanner can be a hand-held scanner connected to automated medication management system 300 via a wired or **wireless** interface.

In another embodiment, a bar code scanner or other code reader is integrated into...

10/3,K/14 (Item 13 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00479477 **Image available**
HEALTH CARE SYSTEM AND METHOD FOR PHYSICIAN ORDER ENTRY
SYSTEME DE SANTE ET PROCEDE DE SAISIE D'ORDONNANCES MEDICALES
Patent Applicant/Assignee:
DEKA PRODUCTS LIMITED PARTNERSHIP,

SWEENEY James M,
ROGERS Bobby E,
SNIDER Robert R,
KAMEN Dean L,
NISBET Kim,
LARKINS William T,
MANNING Robert,
TAMZARIAN Donna,
Inventor(s):
SWEENEY James M,
ROGERS Bobby E,
SNIDER Robert R,
KAMEN Dean L,
NISBET Kim,
LARKINS William T,
MANNING Robert,
TAMZARIAN Donna,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9910829 A1 19990304
Application: WO 98US17002 19980817 (PCT/WO US9817002)
Priority Application: US 97918492 19970822
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 25418

Main International Patent Class: **G06F-019/00**
Fulltext Availability:
Detailed Description

Detailed Description
... code scanner or other code reader to read a bar code 5 label on the **medication container** . The scanner can be a hand-held scanner connected to automated medication management system 300 via a wired or **wireless** interface.

In another embodiment, a bar code scanner

10/3,K/15 (Item 14 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00354409
SYSTEM AND METHOD FOR COLLECTING DATA AND MANAGING PATIENT CARE
SYSTEME ET PROCEDE DE COLLECTE DE DONNEES ET DE GESTION DES SOINS DES MALADES
Patent Applicant/Assignee:
IVAC MEDICAL SYSTEMS INC,
Inventor(s):
ENGLESON Joseph J,
CHAMBERLAIN Craig,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9636923 A1 19961121
Application: WO 96US6944 19960515 (PCT/WO US9606944)
Priority Application: US 95440625 19950515
Designated States: CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English
Fulltext Word Count: 8765

Main International Patent Class: **G06F-017/00**
Fulltext Availability:
Detailed Description
Detailed Description
... system showing the clinical devices transmitting and receiving information from the local area network through **RF** transmitting/receiving
equipment; and
FIG. 15 is a graphical representation of another embodiment of the...

...system of FIG. 9 where all of the-hardware elements of the local area network **communicate** with each other using **RF** transmitting/receiving equipment.

DESCRIPTION OF THE PREFERRED EMBODIMENTS
Referring now to the drawings, and more...

10/3,K/16 (Item 15 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00337937 **Image available**
USER MONITORING SYSTEM
SYSTEME DE SURVEILLANCE D'UN UTILISATEUR
Patent Applicant/Assignee:
GEROTECH INC,
Inventor(s):
KUTZIK David M,
GLASCOCK Anthony P,
CHUTE Douglas L,
HEWETT Thomas T,
HORNUM Barbara G,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9620449 A1 19960704
Application: WO 95US16752 19951221 (PCT/WO US9516752)
Priority Application: US 94363495 19941223
Designated States: AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TT UA UG UZ VN KE LS MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 11819
Main International Patent Class: **G06F-015/00**
Fulltext Availability:
Detailed Description

Detailed Description
... 416 within the
medication holder 404 is opened or closed in this manner by a **medication container** 402 a **radio frequency medication** transmitter 424 is activated. In this manner the medication self-management detection system 116 **communicates** this activity of daily living information with the system controller device 110

The radio frequency...

10/3,K/17 (Item 16 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00135803 **Image available**
PATIENT IDENTIFICATION AND VERIFICATION SYSTEM AND METHOD
PROCEDE ET SYSTEME D'IDENTIFICATION ET DE VERIFICATION DE PATIENTS
Patent Applicant/Assignee:
CLINICOM INCORPORATED,
Inventor(s):
GOMBRICH Peter P,
ZOOK Ronald E,
HENDRICKSON Max S,
Patent and Priority Information (Country, Number, Date):
Patent: WO 8700659 A1 19870129
Application: WO 86US1475 19860714 (PCT/WO US8601475)
Priority Application: US 85277 19850719; US 86278 19860512
Designated States: AT BE CH DE FR GB IT JP LU NL SE
Publication Language: English
Fulltext Word Count: 17446

Main International Patent Class: **G06F-015/20**
Fulltext Availability:
Detailed Description
Detailed Description
... the prin
ciples of the present invention;
FIGURE 2 is a diagrammatic view of a **drug vial** with
an ilCem bar code identifier thereon;
FIGURE 3 is a diagrammatic view of a...

...bar code identifiers
thereon;
FIGURE 5 is a block diagram of an embodiment of the
RF /DOV -madem. illustrated in Figure 1;
FIGURE 6 is a block diagram of an alternate...

...illustrated in Figure 5;
FIGURE 8 is a block diagram of an embodiment of the
RF /PLC modem illustrated in Figure 5;
FIGURE 9 is a block-diagram of an embodiment...tification and location
system;
FIGURE 22 is a block diagram of an embodiment of an
RF tre-ansmitter unit including **RF** transmitter, control cir
cuitry, and power supply sealed in a protect-ive media;
FIGURE 23 is a block diagram of an embodiment of an
RF receiver unit;
FIGURE 24 is a functional flow diagram of an embodi
ment of a...

(FILE 'HOME' ENTERED AT 14:25:59 ON 03 JUL 2003)

FILE 'CONFSCI' ENTERED AT 14:28:59 ON 03 JUL 2003

```
L1          631 S (WALKER J? OR WALKER, J?)/AU
L2        11018 S WIRELESS? OR RF OR RADIO()(FREQUENC? OR WAVE?) OR INFRARED  O
L3        21197 S PRESCRIPTION? OR RX OR R()X OR DRUG? OR MEDICATION? OR MEDICI
L4         1290 S CONTAINER? OR BOTTLE? OR JAR OR VIAL#
L5        40987 S TRANSFER? OR TRANSMI? OR FORWARD OR SEND? OR SENT OR COMMUNIC
L6            0 S L2 AND L3 AND L4
L7           40 S L2 AND L3
```